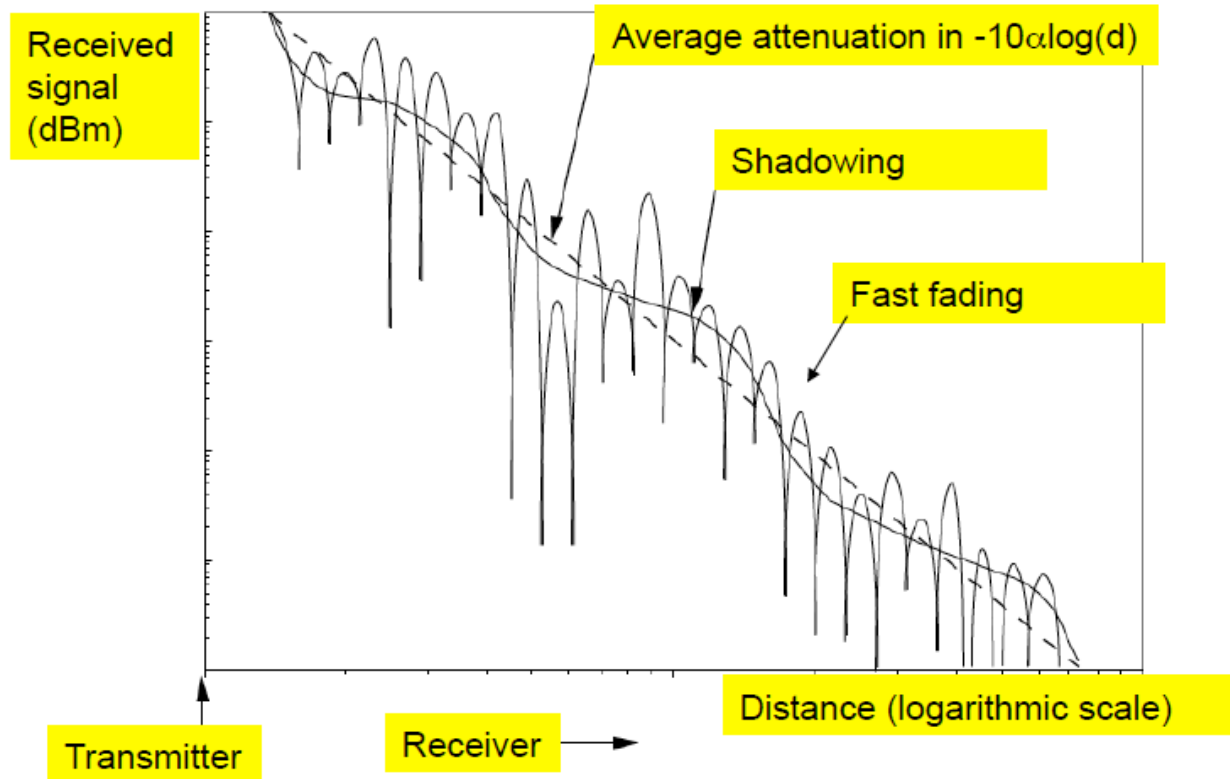
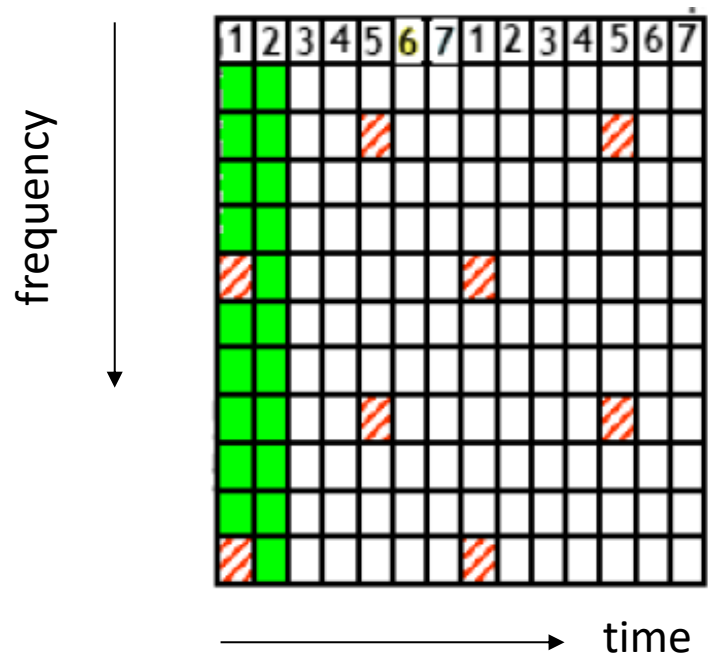




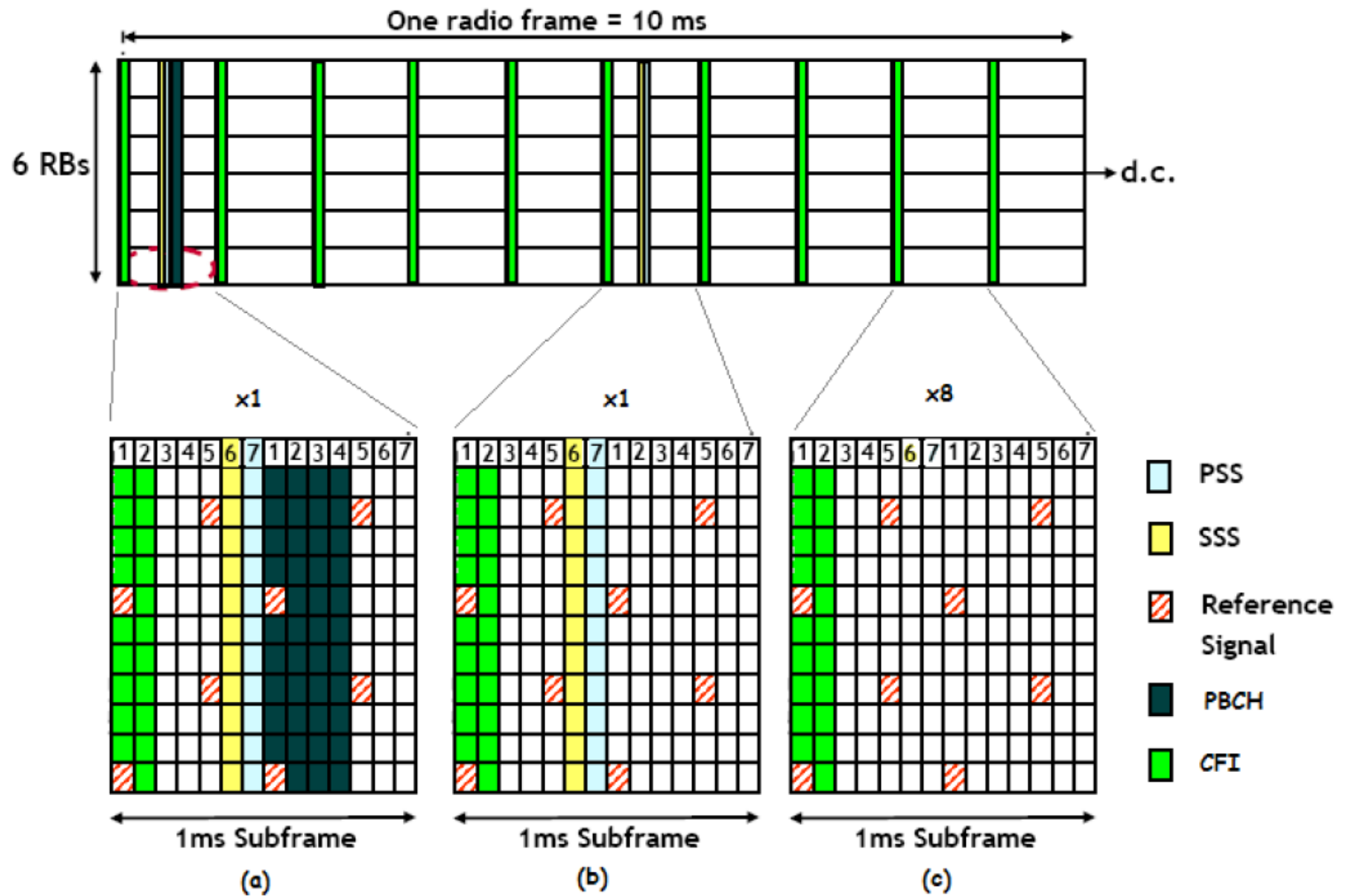
Fast fading

Source: M. Coupechoux: Institut Mines-Télécom



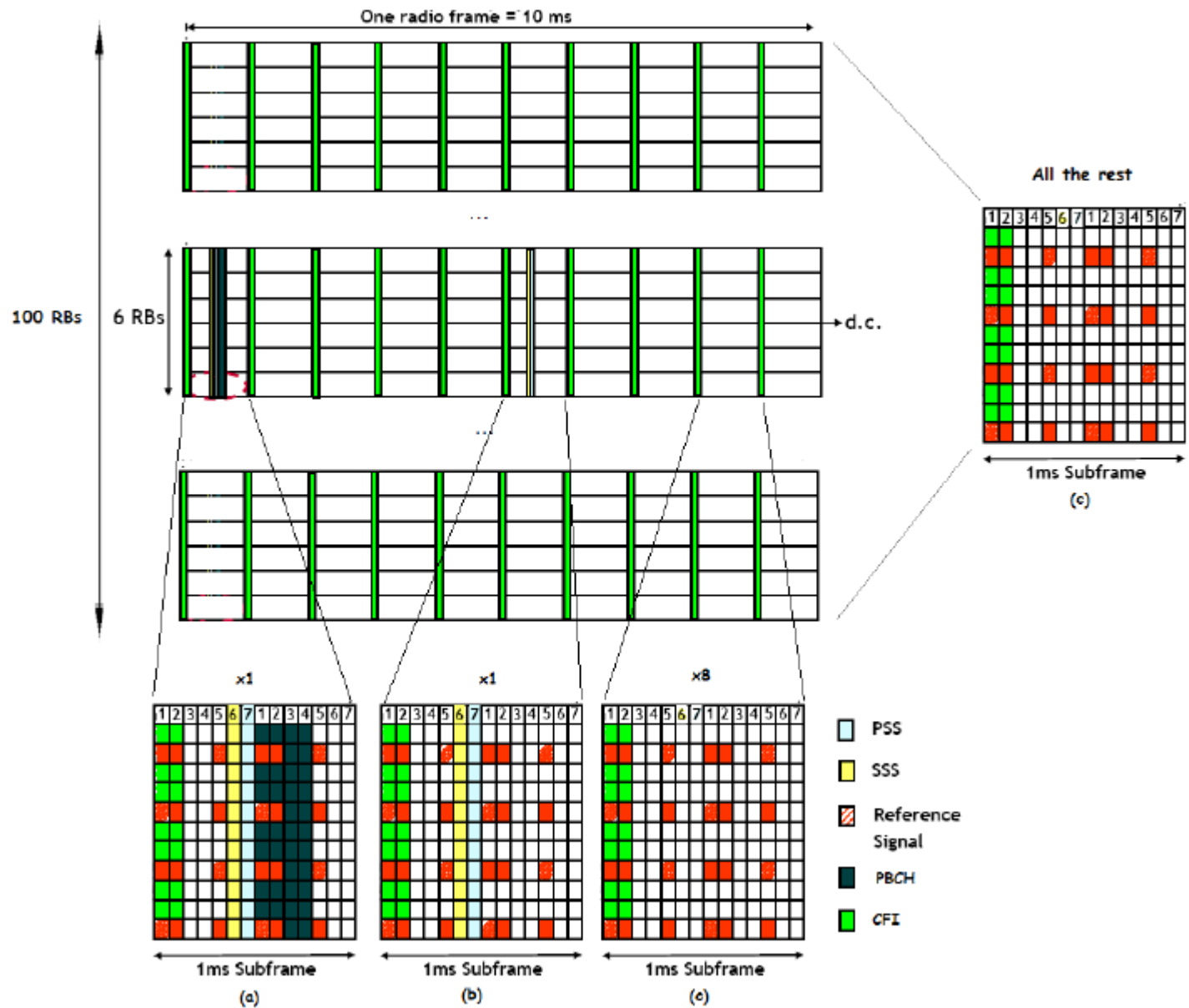
Distribution of reference symbols

Source: R. P. Jover <http://www.ee.columbia.edu/~roger/>



LTE frame: $W = 1,4$ MHz, 1 antenna port, CFI = 2

Source: R. P. Jover <http://www.ee.columbia.edu/~roger/>



LTE frame: $W = 20$ MHz, 4 antenna ports, CFI = 2
 Source: R. P. Jover <http://www.ee.columbia.edu/~roger/>