Uplink band　　　Guard band W_G　　　Downlink band

| U1 | U2 | U3 | U4 | | D1 | D2 | D3 | D4 |

W_U　　　　　　　　　W_D

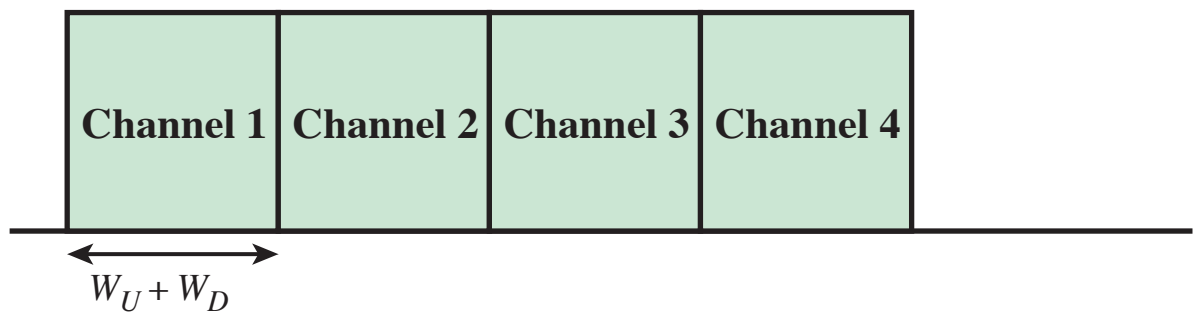**(a) FDD**

| Channel 1 | Channel 2 | Channel 3 | Channel 4 |

$W_U + W_D$

(b) TDD

Figure 10.12 Spectrum Allocation for FDD and TDD