Errata

[P3] Equation (5)

$$\eta = \sum_k \frac{1}{1+\frac{W}{\rho_k \cdot R_k \cdot v_k}} \cdot (1+i \cdot \zeta)$$

Should read:

$$\eta = \sum_k \frac{1}{1+\frac{W}{\rho_k \cdot R_k}} v_k \cdot (1+i \cdot N_s / \zeta)$$

Where N_S is number of sectors

[P4] Equation (8.9)

$$\eta_{UL} = (1+i) \cdot \sum_{j=1}^{N} L_j = (1+i) \cdot \sum_{j=1}^{N} \frac{1}{1+\frac{W}{(E_b/N_0)_j \cdot R_j \cdot v_j}}$$

Should read:

$$\eta_{UL} = (1+i) \cdot \sum_{j=1}^{N} L_j = (1+i) \cdot \sum_{j=1}^{N} \frac{1}{1+\frac{W}{(E_b/N_0)_j \cdot R_j}} \cdot v_j$$

[P4] Equation (8.13)

$$BS\_TxP = \frac{N_{rf} \cdot W \cdot \overline{L} \cdot \sum_{j=1}^{N} v_j \frac{(E_b/N_0)_j}{W/R_j}}{1-\overline{\eta_{DL}}}$$

Should read:

$$BS\_TxP = \frac{N_{rf} \cdot \overline{L} \cdot \sum_{j=1}^{N} v_j \frac{(E_b/N_0)_j}{W/R_j}}{1-\overline{\eta_{DL}}}$$

with this change definition of N_{rf} in Equation 8.14 is valid.