

## Errata

July 1, 2006

### [P1]

In Section IV.A.2, “We can upper bound (5) as

$$\begin{aligned} E[I_{\mathbf{H}}] &\leq \log_2 \left( 1 + \frac{\rho}{n_t} KL \right) \\ &\leq \frac{\rho KL}{n_t \ln 2} \end{aligned} \quad (10)$$

by using  $\ln(1+x) \leq x$ .” the first equation is incorrect. It should read: “We can upper bound (5) as

$$\begin{aligned} E[I_{\mathbf{H}}] &\leq \log_2 \left[ \sum_{p=0}^K \left( \frac{\rho}{n_t} \right)^p (L-p+1)_p \binom{K}{p} \right] \\ &\leq \frac{\rho KL}{n_t \ln 2} \end{aligned} \quad (10).”$$

### [P5]

On page 642, “...the required linear dynamic range required for undistorted signal reception 99% of time is 20.1, 41.8, 50.7, 58.3, and 65 dB for  $n = 1, 2, 3, 4, 5$ , respectively.”

should read

“...the required linear dynamic range required for undistorted signal reception 99% of time is 30.2, 41.8, 50.7, 58.3, and 65 dB for  $n = 1, 2, 3, 4, 5$ , respectively.”