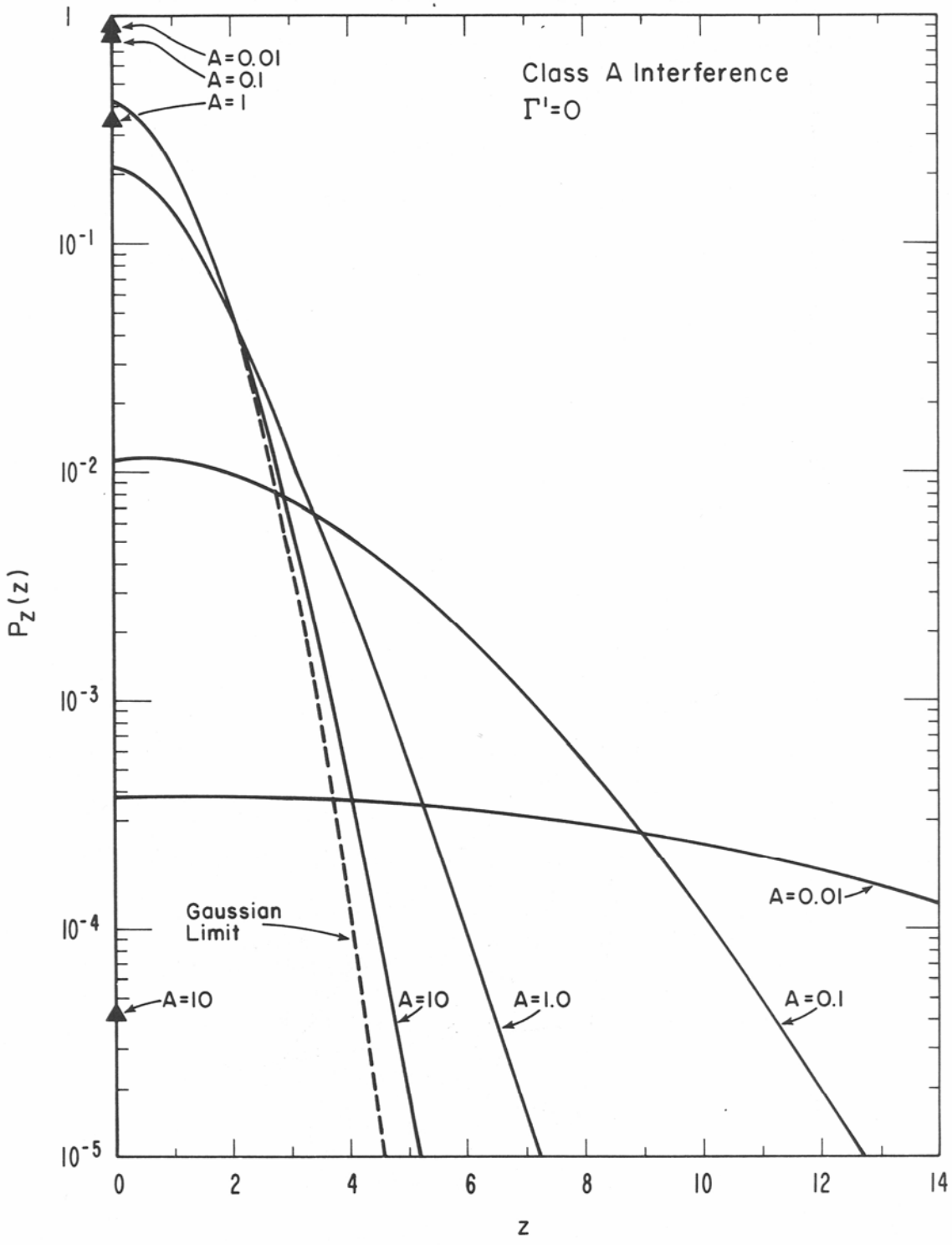

Figure 2.1. The pdf of the instantaneous amplitude of the interference z (class A) when no Gaussian background is present ($\Gamma' = 0$) from (2.58).

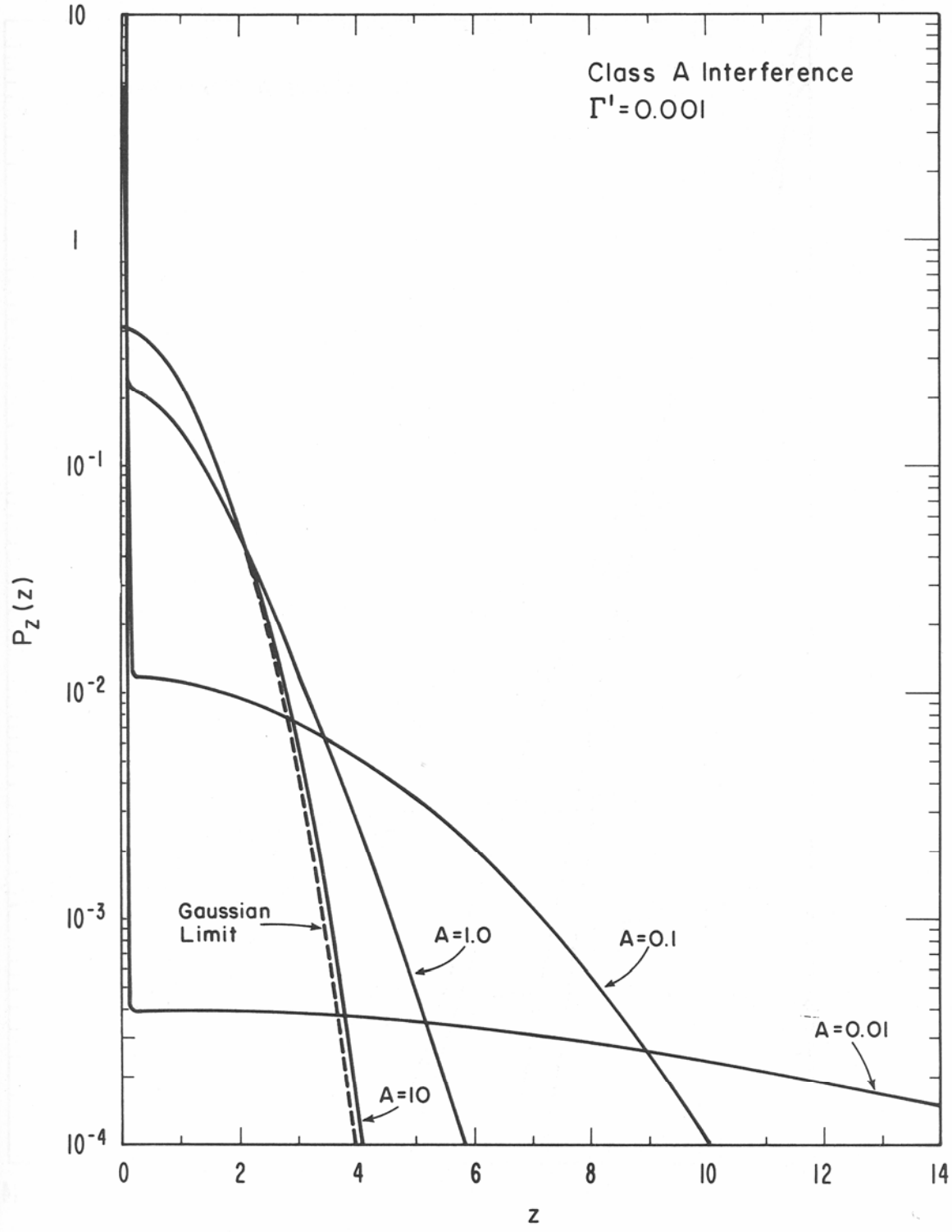

Figure 2.2. The pdf of the instantaneous amplitude of the interference z (class A) for $\Gamma' = 0.001$ from (2.56).

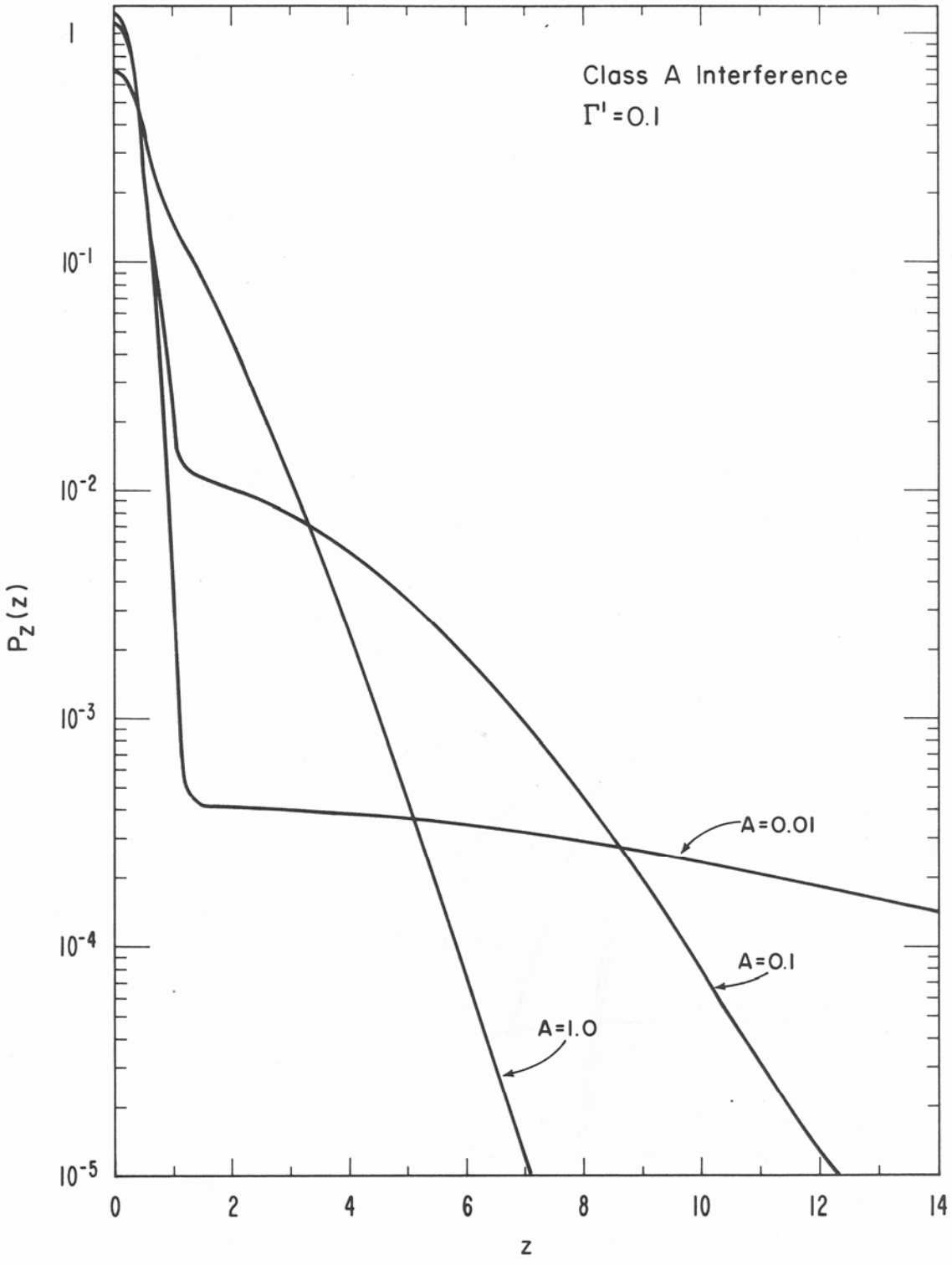

Figure 2.3. The pdf of the instantaneous amplitude of the interference z (class A) for $\Gamma' = 0.1$ from (2.56).

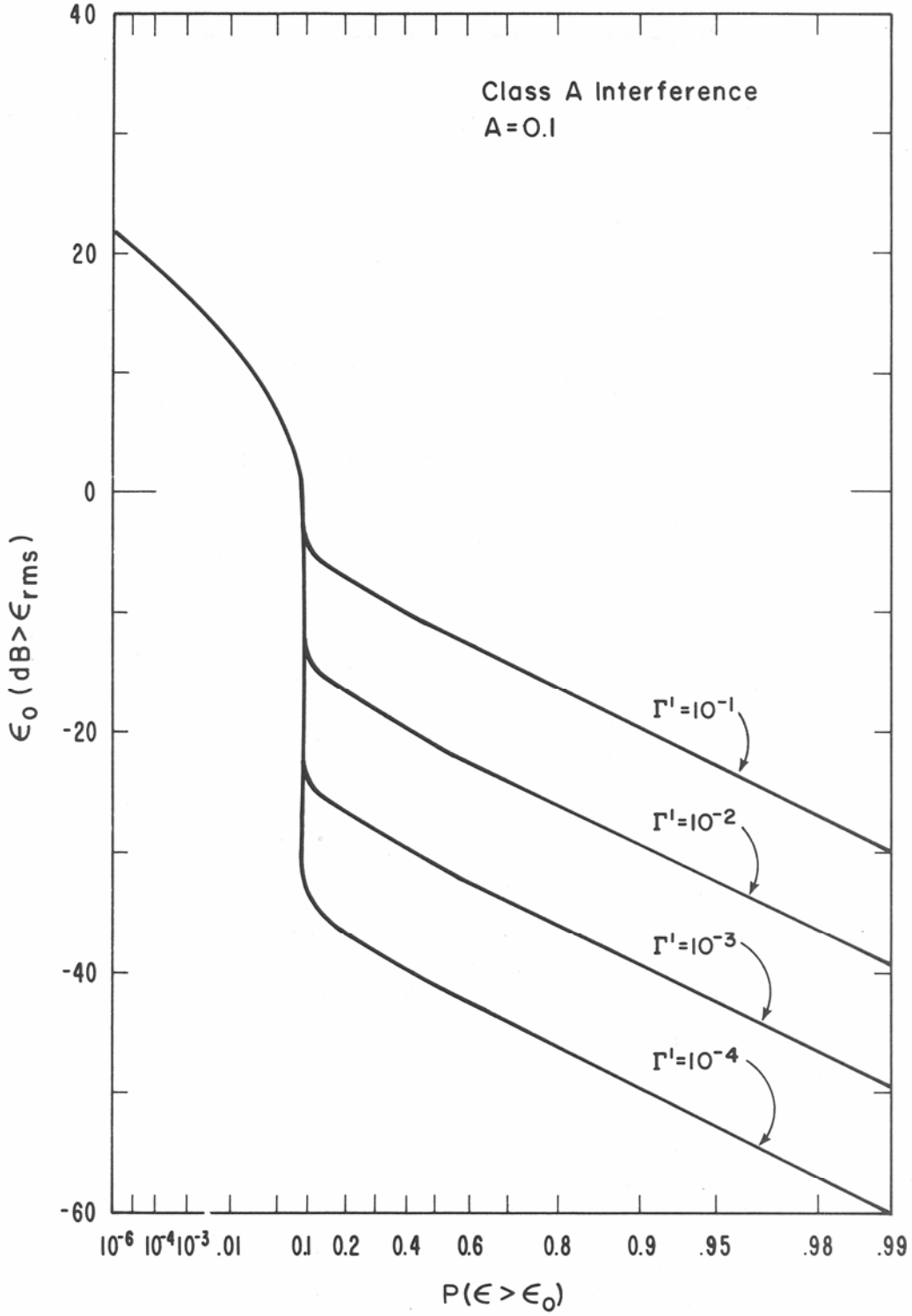

Figure 2.4. The envelope distribution [Prob($\epsilon > \epsilon_0$)] for class A interference for A = 0.1 and various Γ' from (2.59).

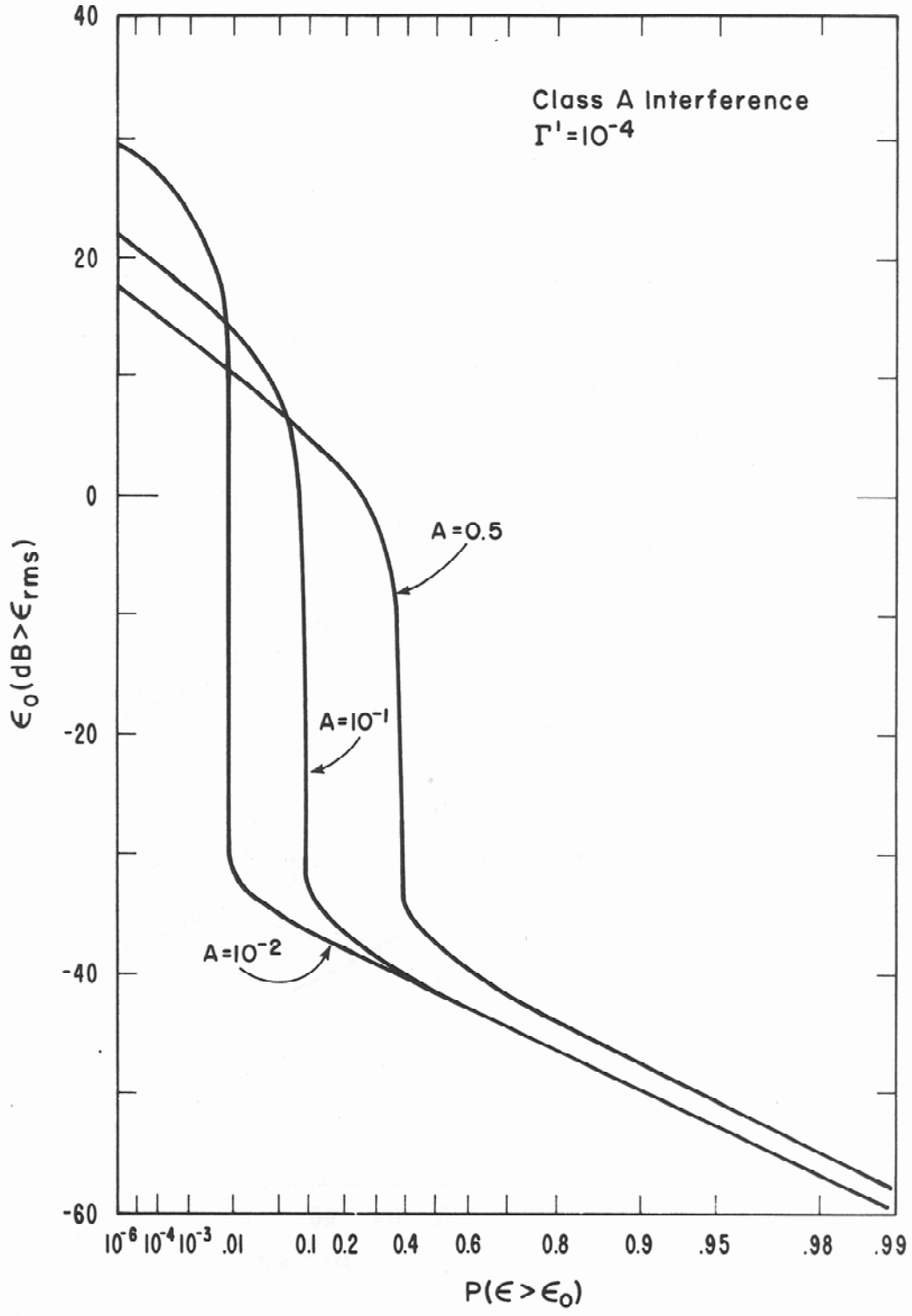

Figure 2.5. The envelope distribution [Prob ($\epsilon > \epsilon_o$)] for class A interference for $\Gamma' = 10^{-4}$ and various A from (2.59).

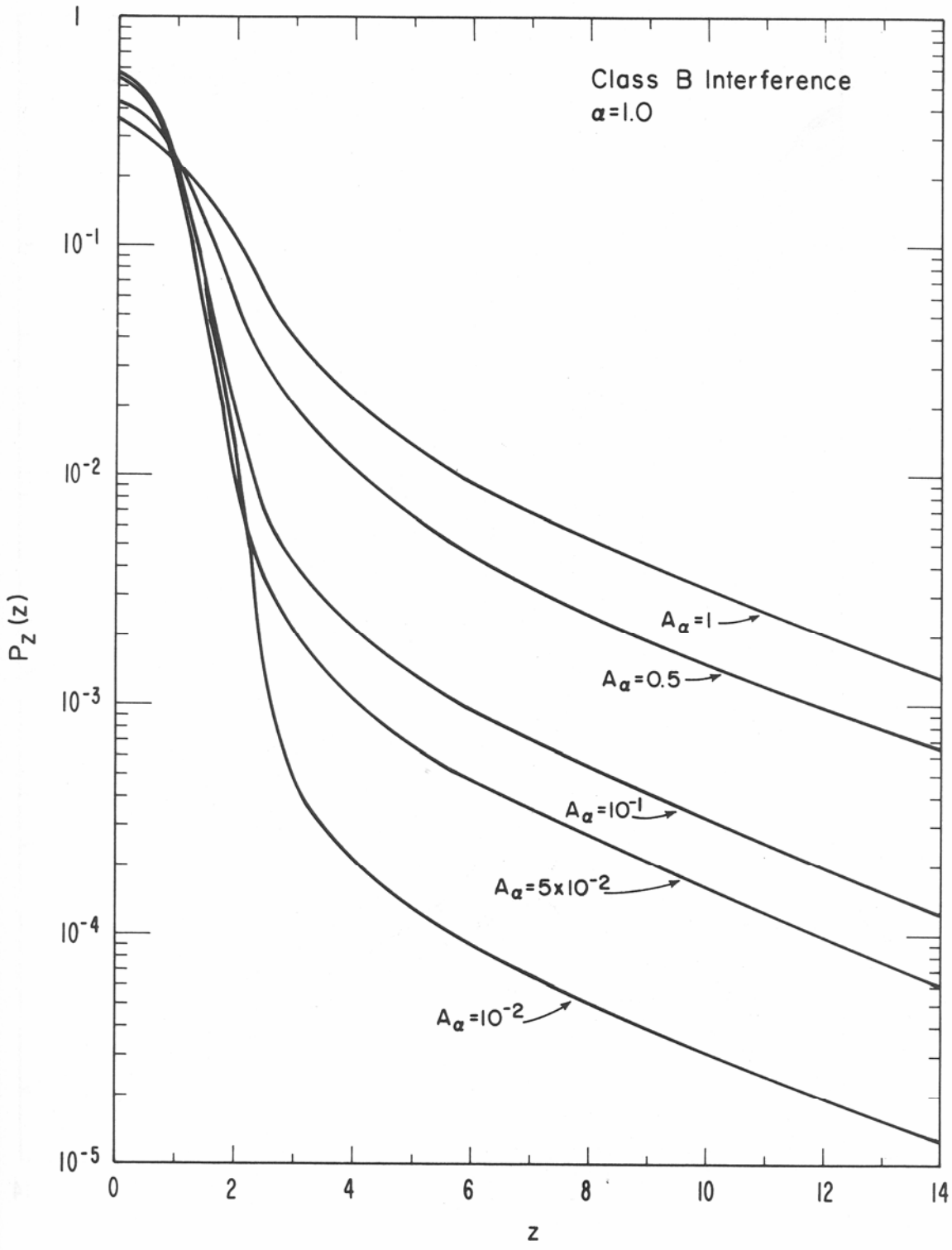

Figure 2.6. The pdf of the instantaneous amplitude of the interference z (class B) for $\alpha = 1.0$ for various A_α from (2.61).

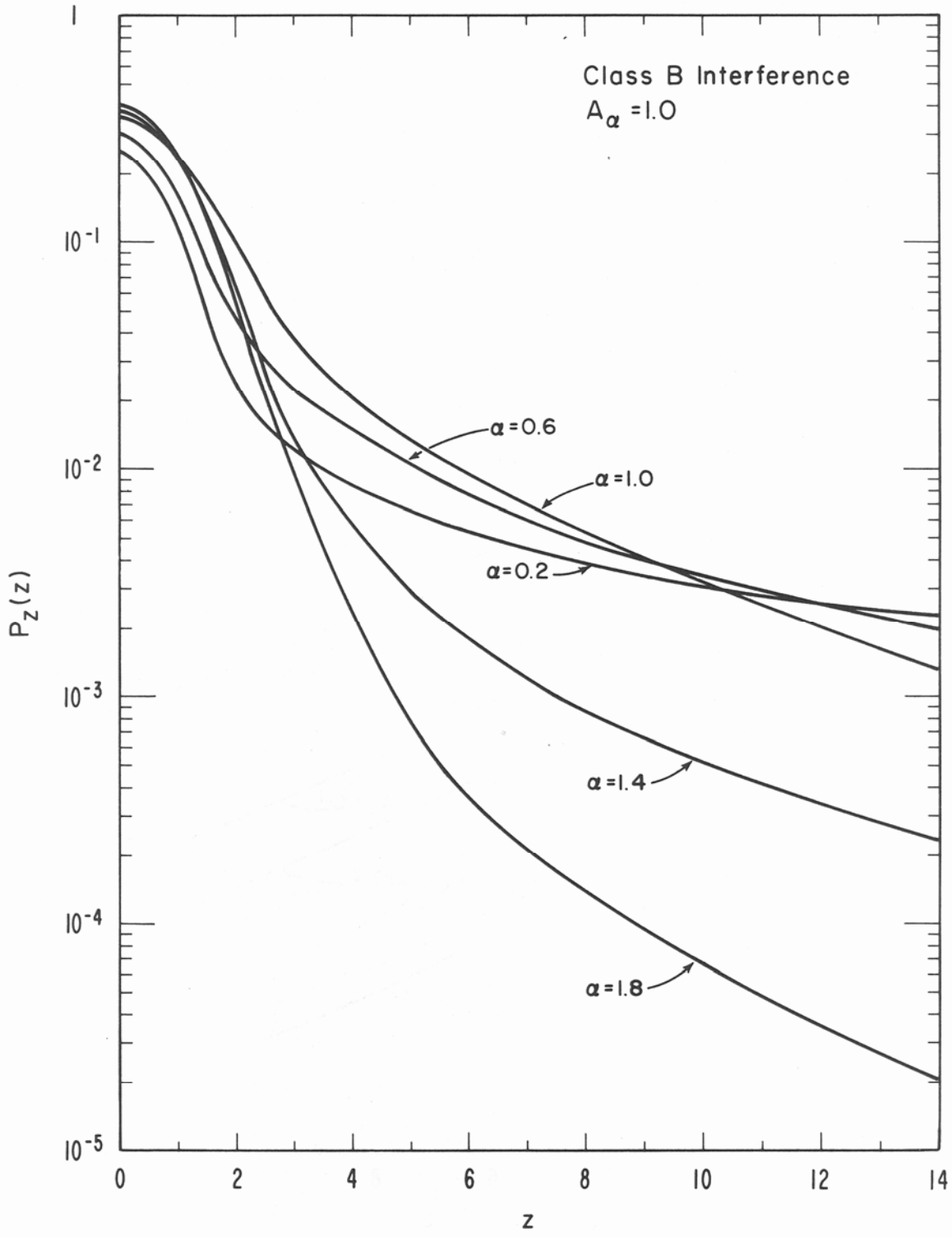

Figure 2.7. The pdf of the instantaneous amplitude of the interference z (class B) for A_α = 1.0 for various α from (2.61).

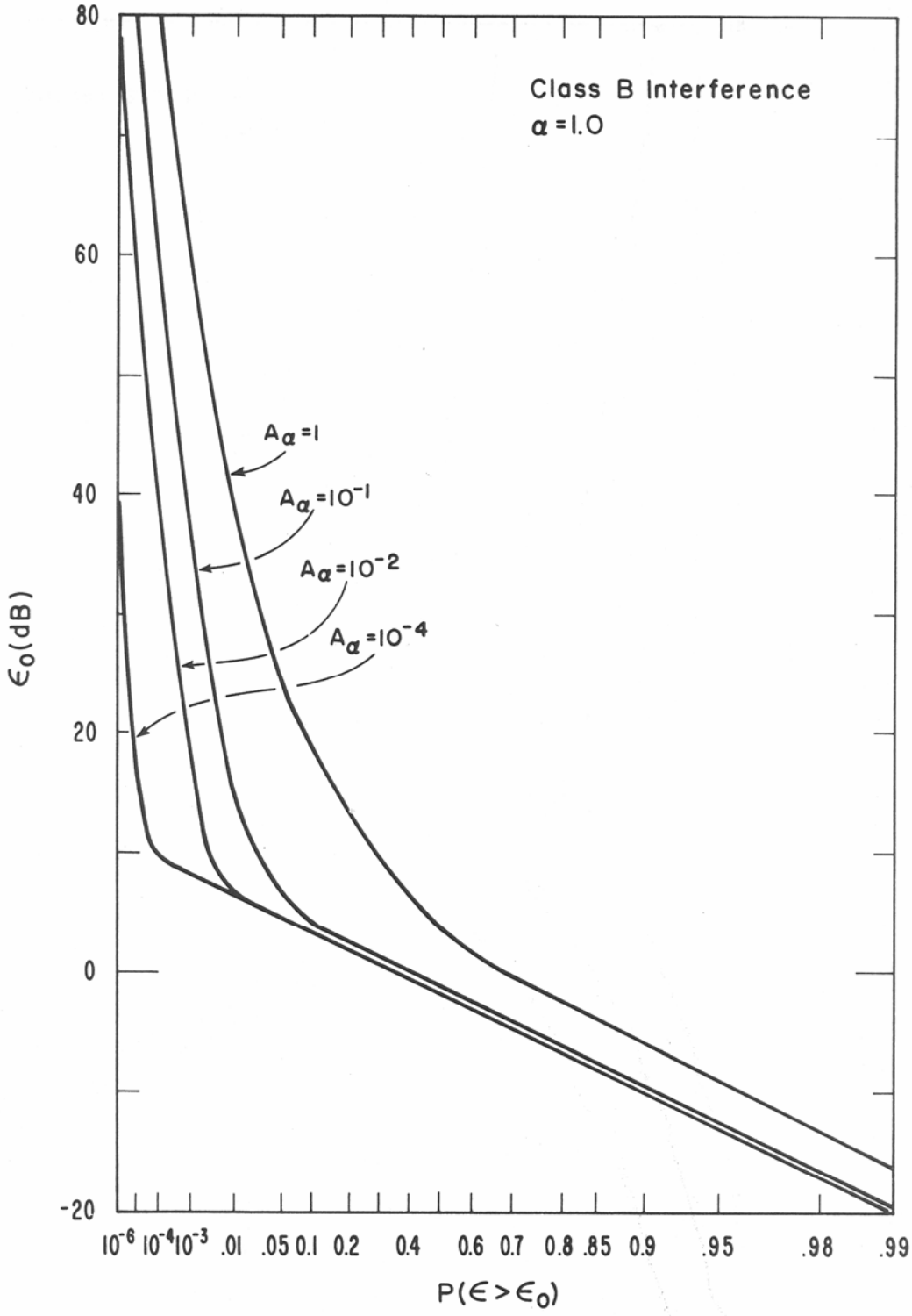

Figure 2.8. The envelope distribution [Prob ($\epsilon > \epsilon_0$)] for class B interference for $\alpha = 1.0$ for various A_α from (2.63).

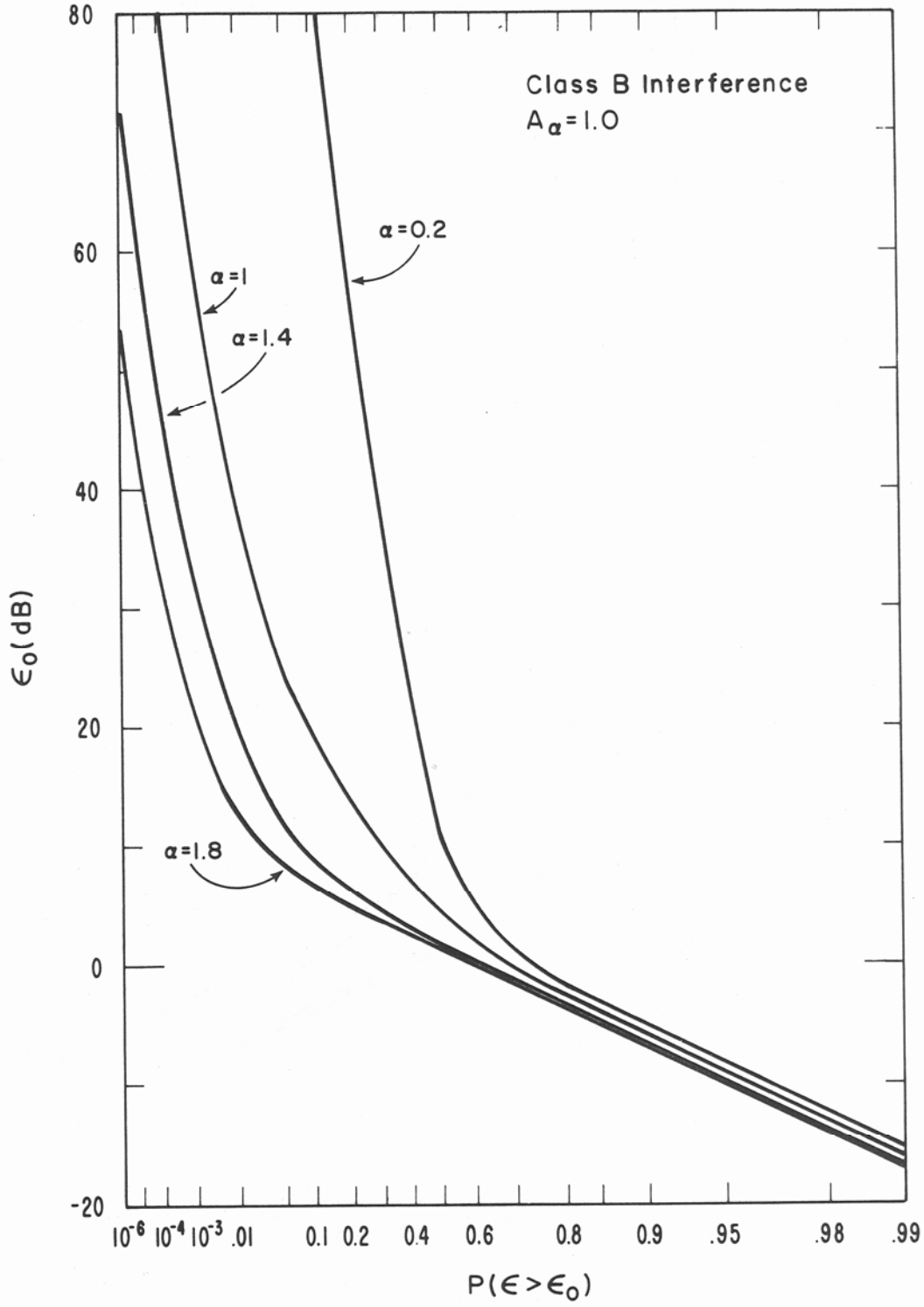

Figure 2.9. The envelope distribution [Prob ($\epsilon > \epsilon_0$)] for class B interference for $A_\alpha = 1.0$ for various α from (2.63).

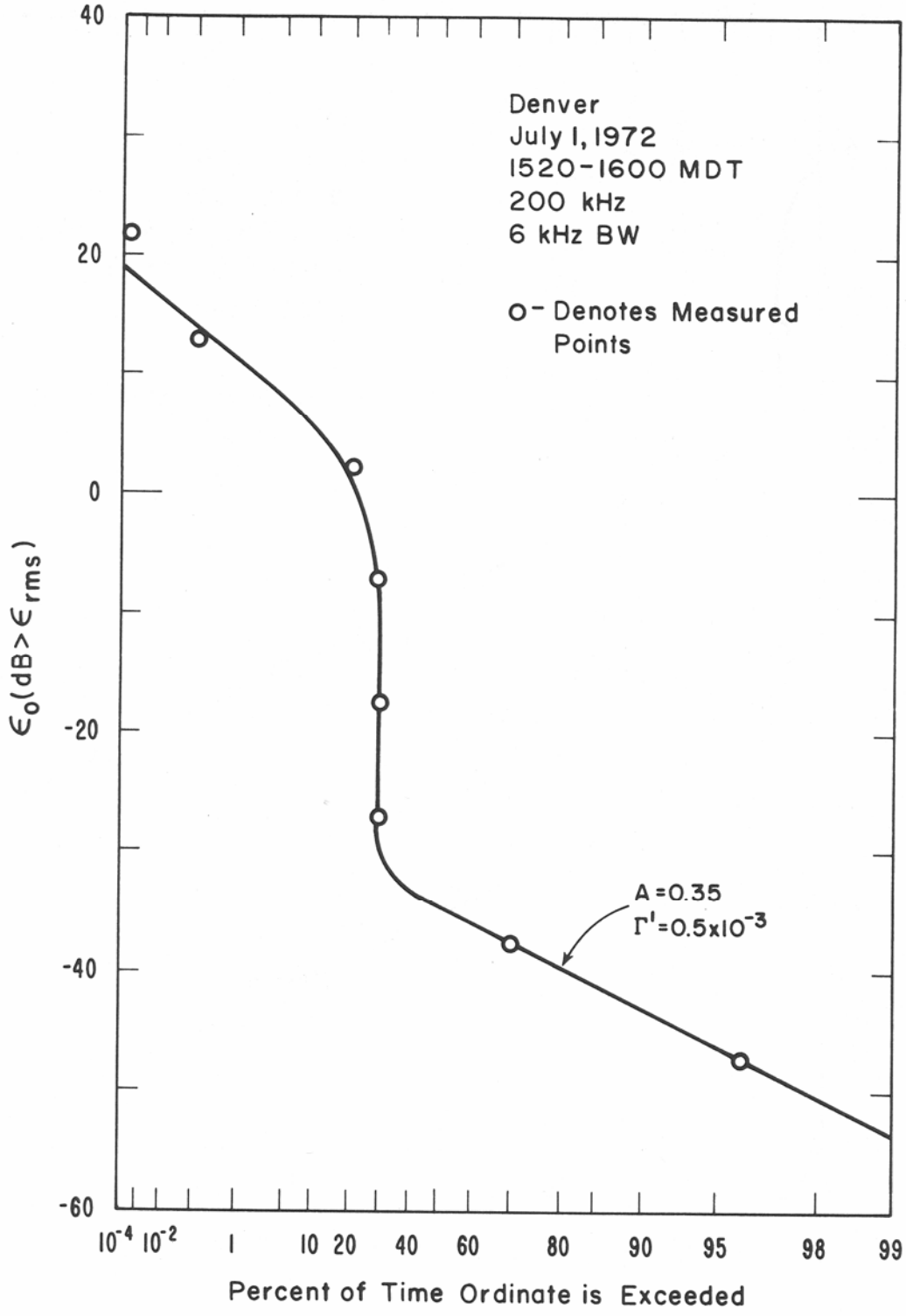

Figure 2.10. Comparison of measured envelope distribution (from Bolton, 1972) with the Middleton model, class A, distribution (2.59).

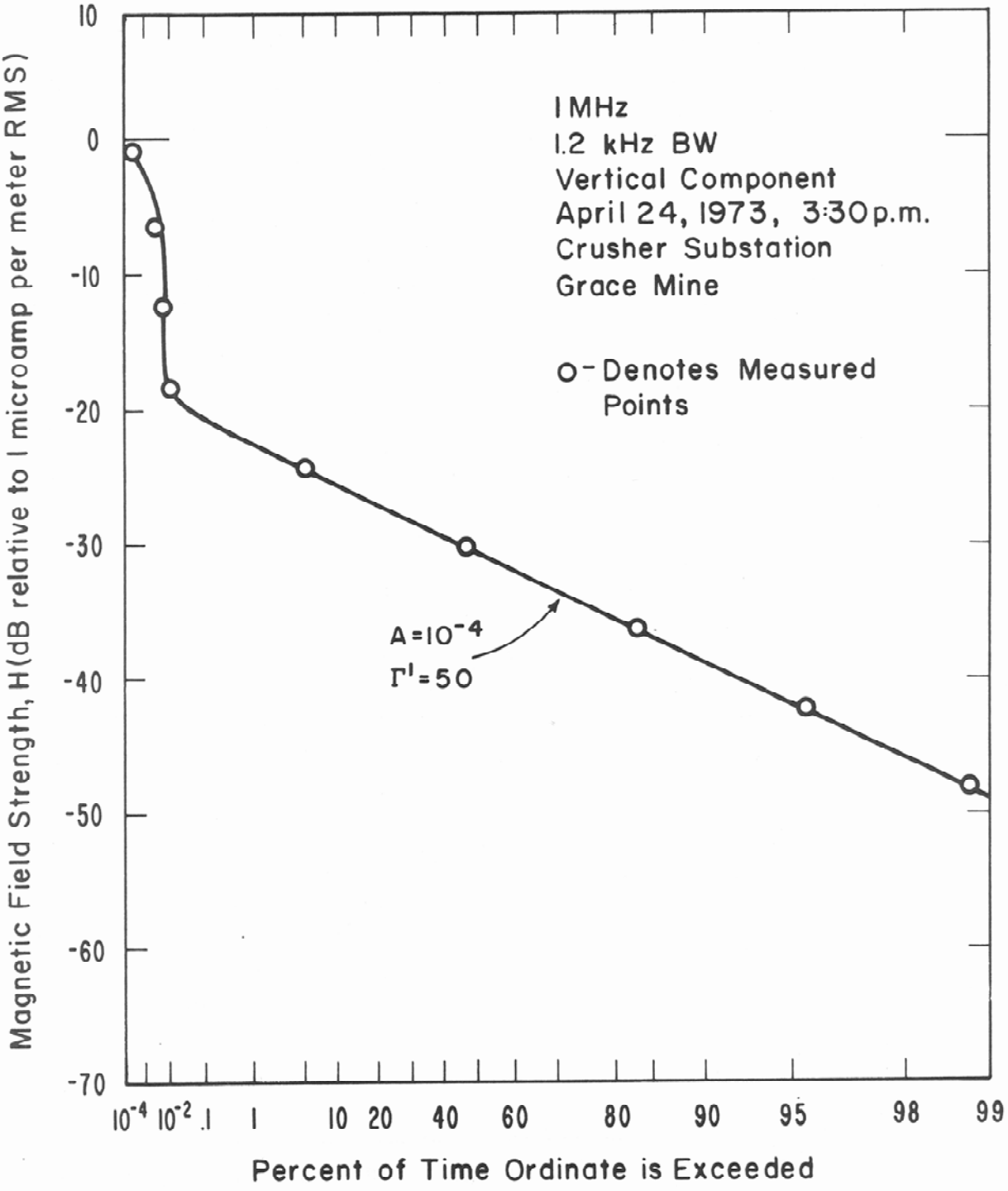

Figure 2.11. Comparison of measured envelope distribution (from Adams et al., 1974) with the Middleton model, class A, distribution (2.59).

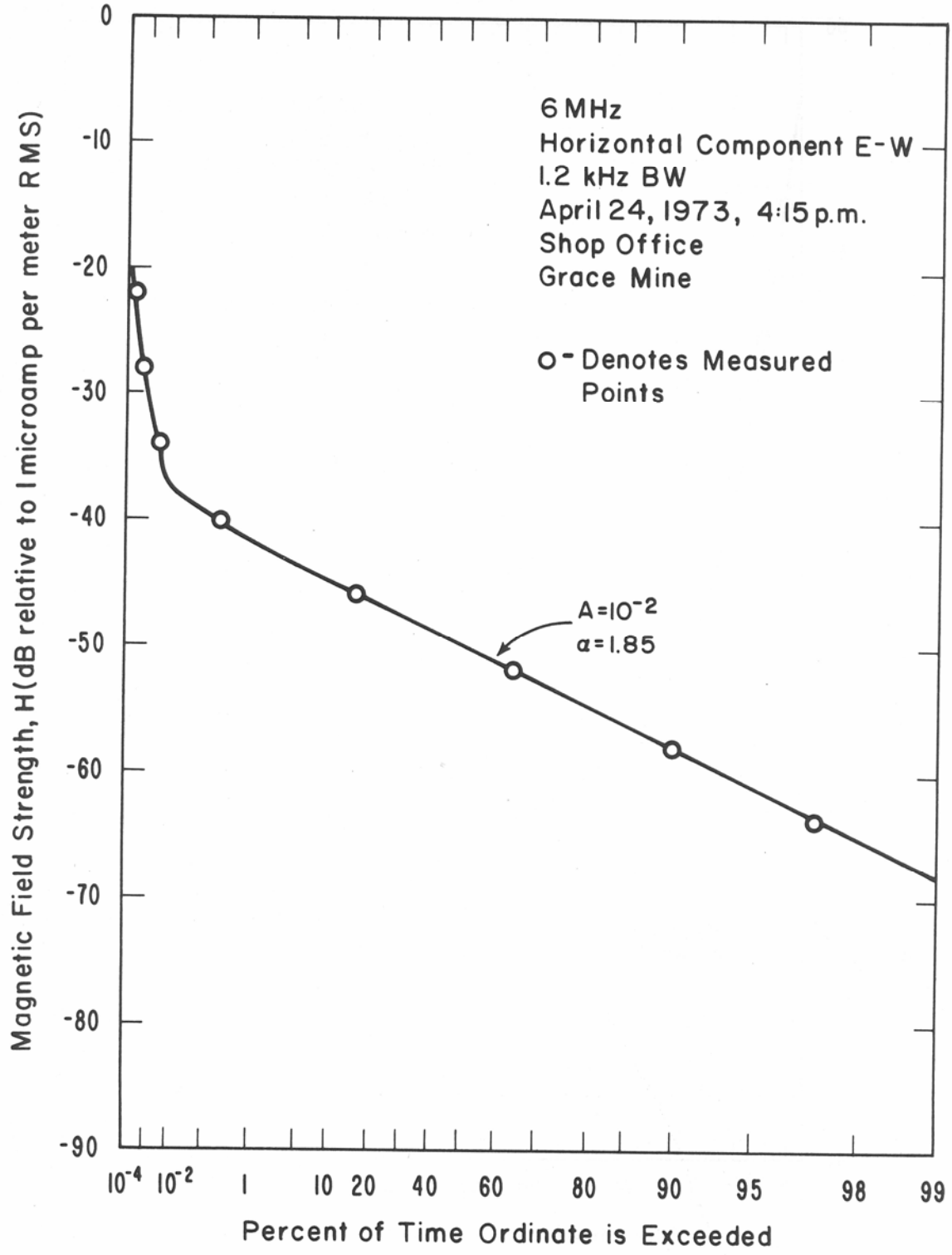

Figure 2.12. Comparison of measured envelope distribution of a sample of broadband man-made noise (from Adams et al., 1974) with the Middleton model, class B, distribution (2.63).

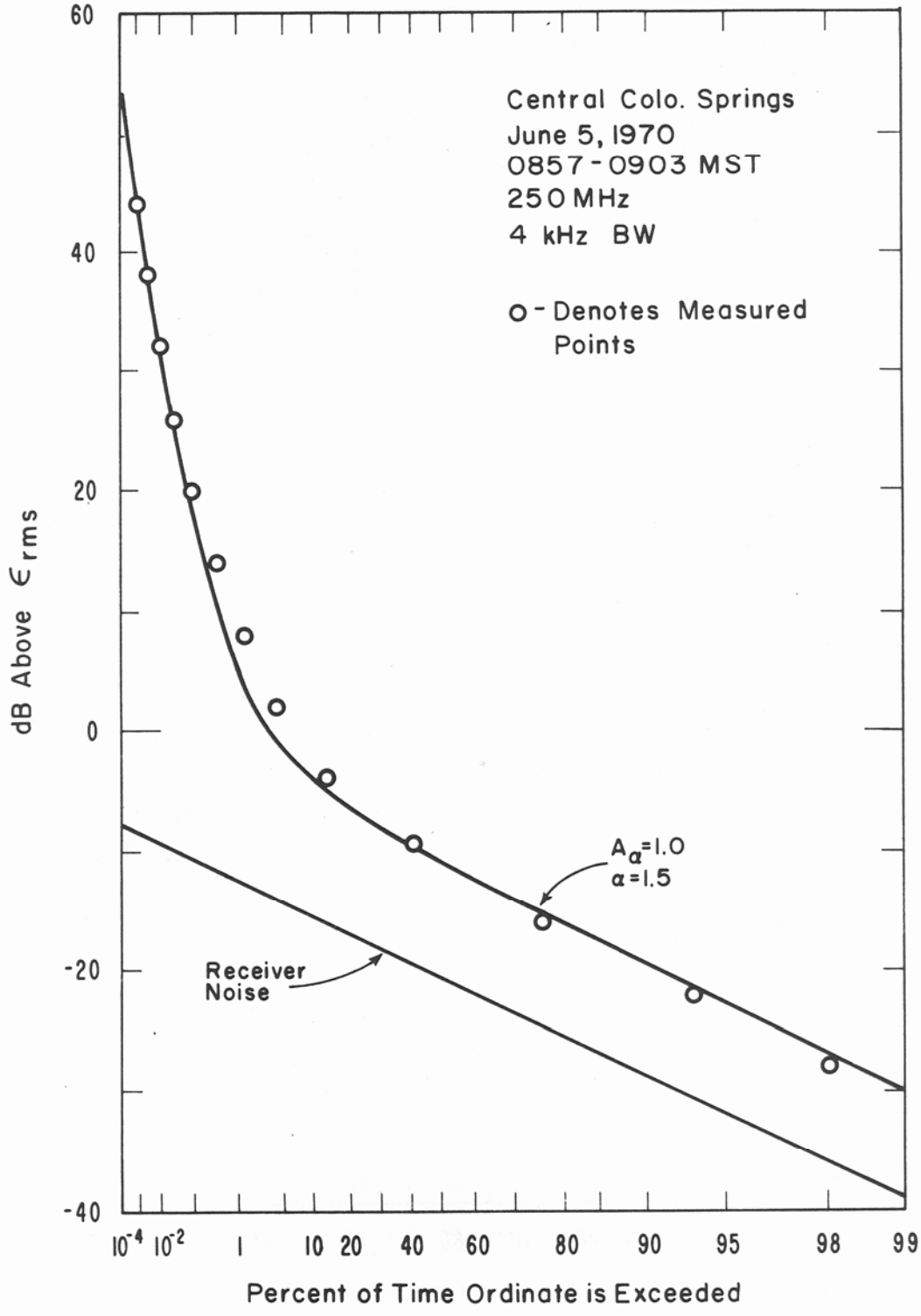

Figure 2.13. Comparison of measured envelope distribution of a sample of broadband man-made noise (from Spaulding and Espeland, 1971) with the Middleton model, class B, distribution (2.63).

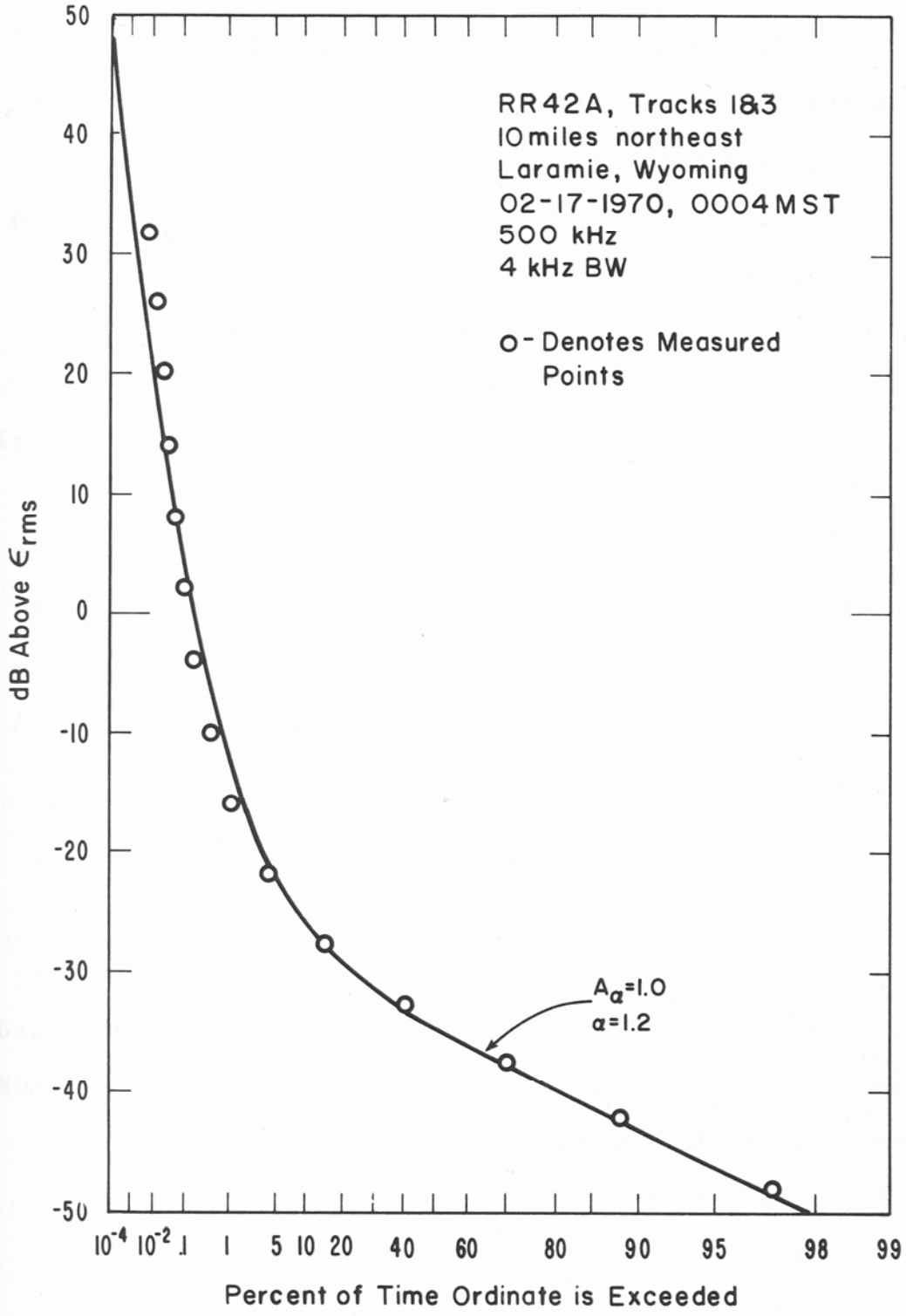

Figure 2.14. Comparison of measured envelope distribution of a sample of atmospheric noise (from Espeland and Spaulding, 1970) with the Middleton, class B, distribution (2.63).