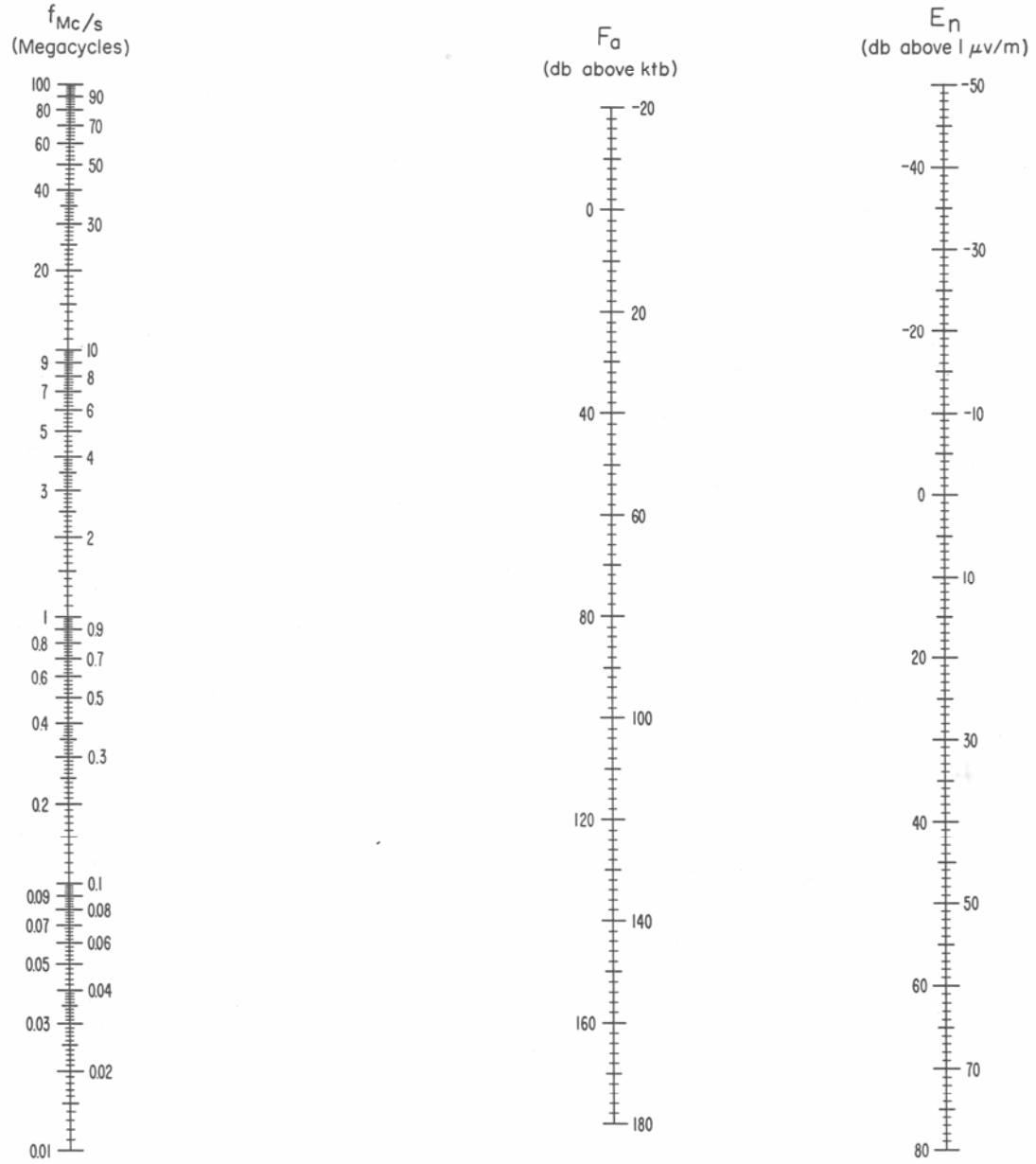


$$E_n = F_a + 20 \log_{10} f_{Mc/s} - 65.5$$

FIGURE 1. *Nomogram for transforming effective antenna noise figure to noise field strength as a function of frequency.*

$F_a$ = effective antenna noise figure = external noise power available from an equivalent short, lossless, vertical antenna in decibels above ktb.
$E_n$ = equivalent vertically polarized ground-wave root mean square noise field strength in decibels above 1 μv/m for a 1-kc/s bandwidth.
$f_{Mc/s}$ = frequency in megacycles.

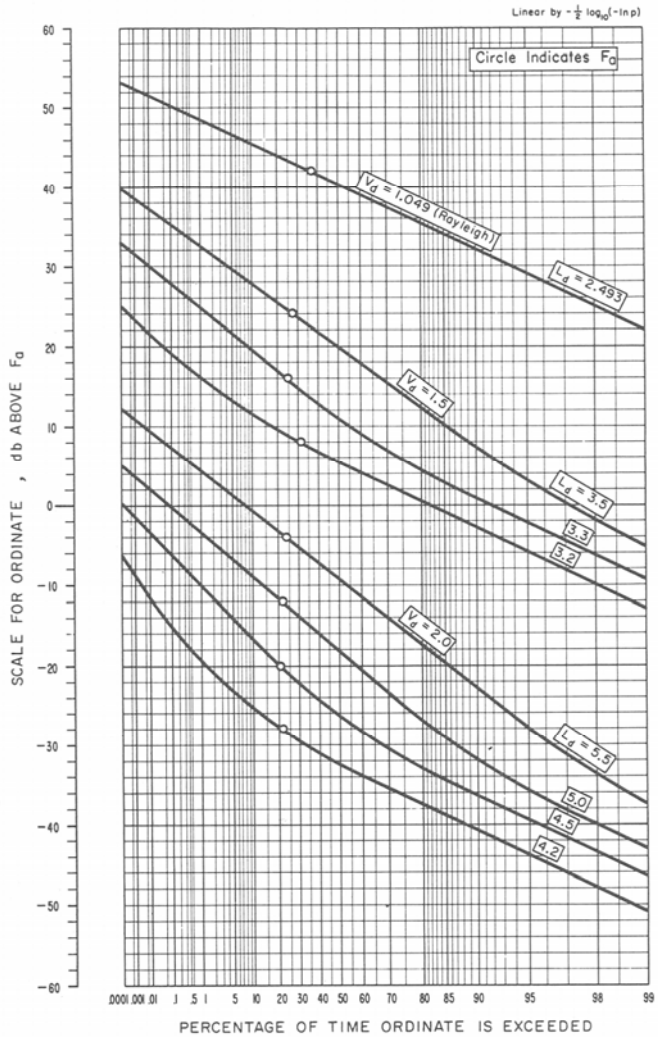


FIGURE 2. *Amplitude-probability distributions.*

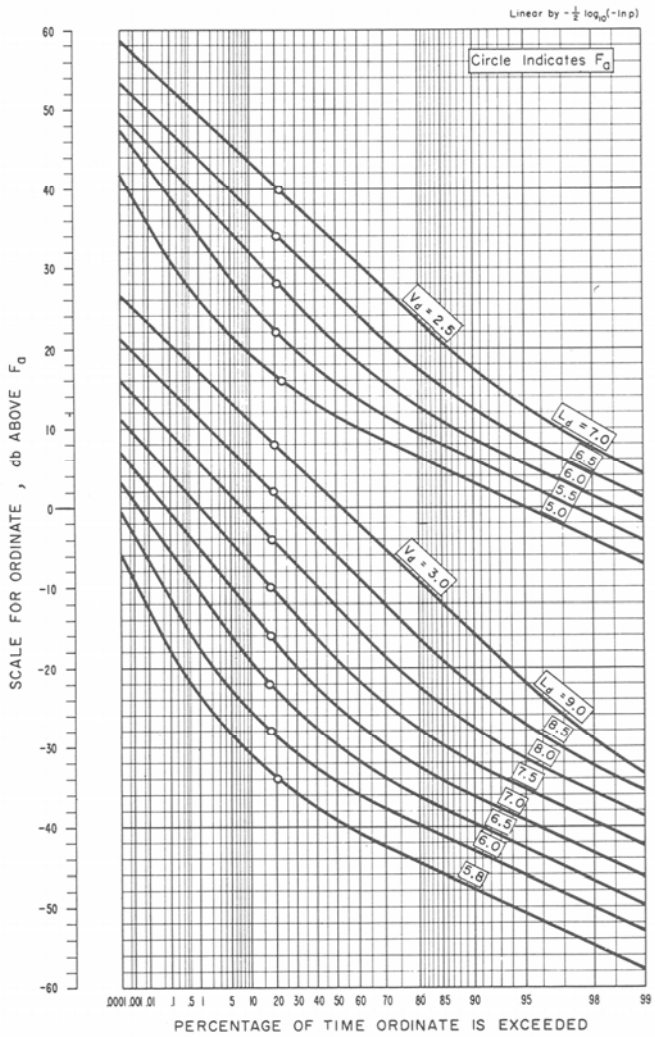


FIGURE 3. *Amplitude-probability distributions.*

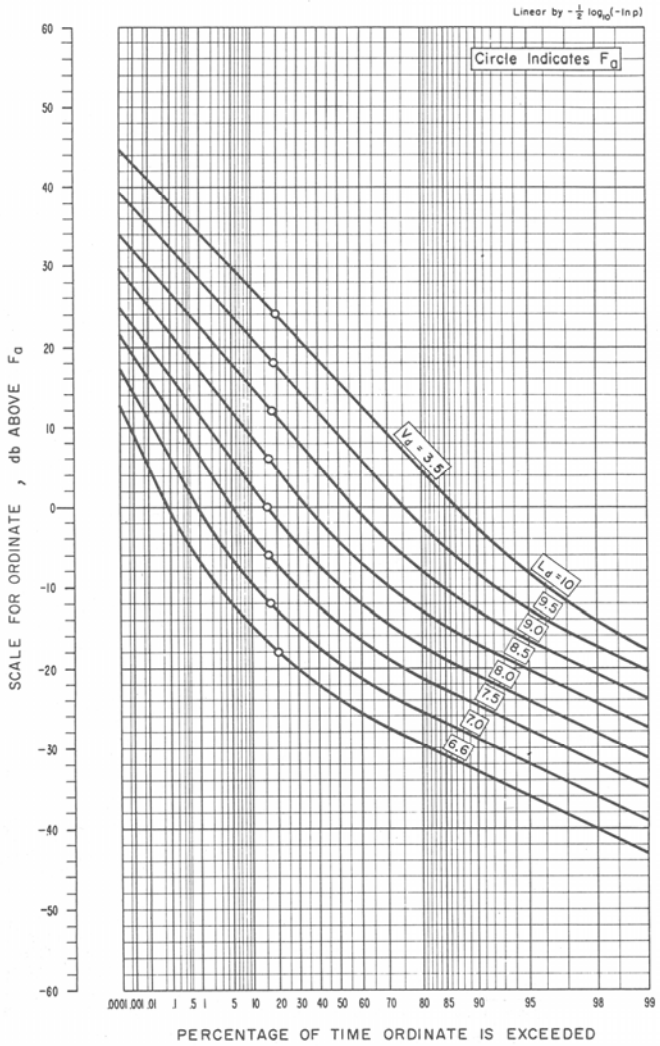


FIGURE 4. *Amplitude-probability distributions.*

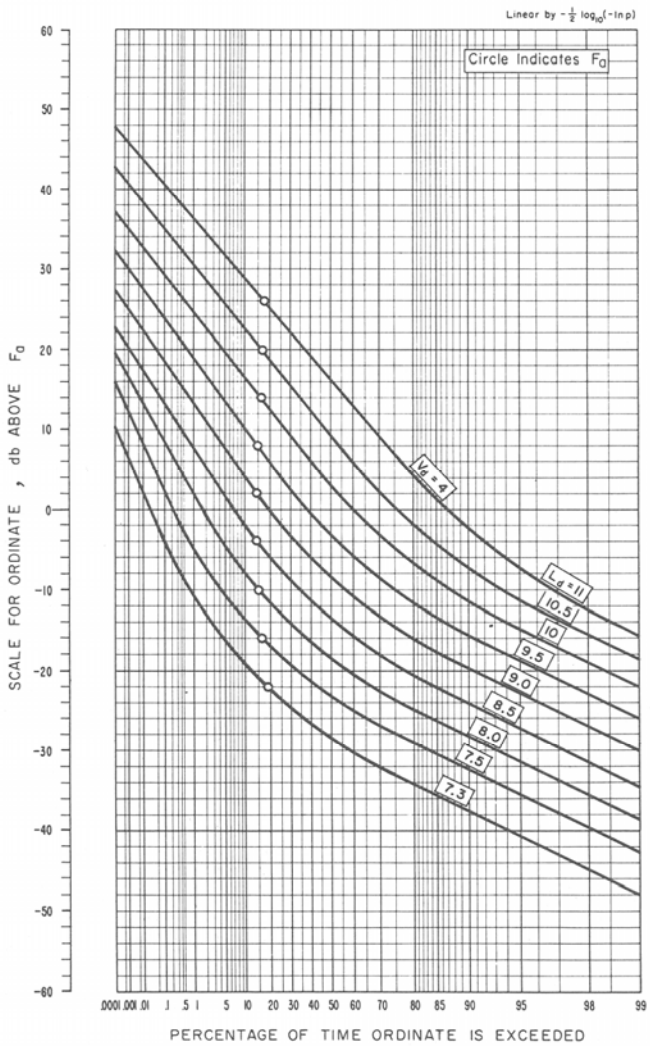


FIGURE 5. *Amplitude-probability distributions.*

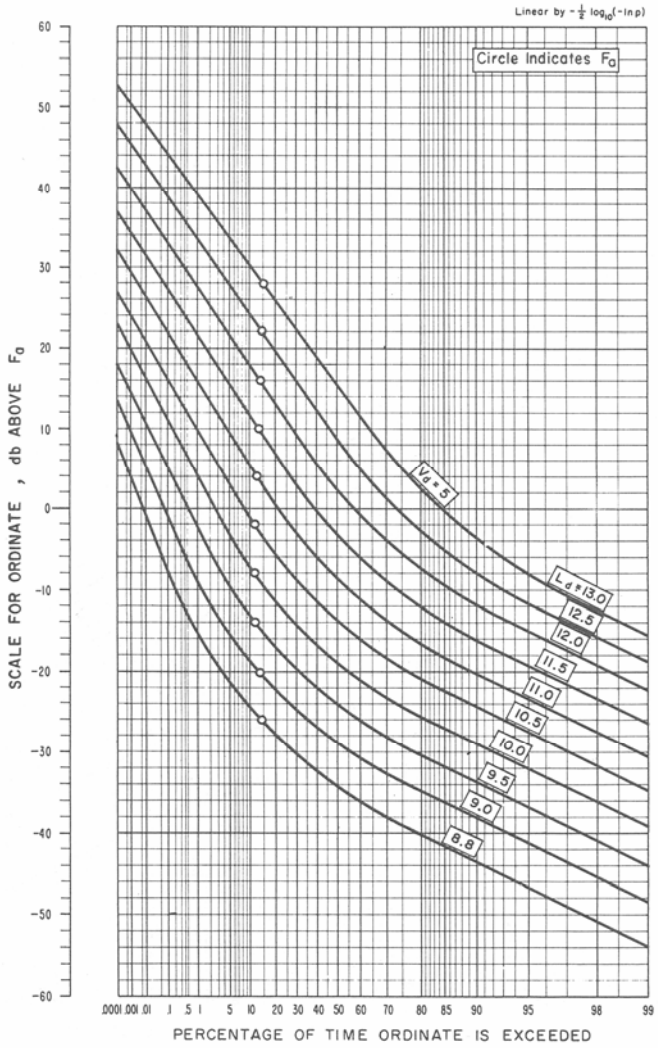


FIGURE 6. *Amplitude-probability distributions.*

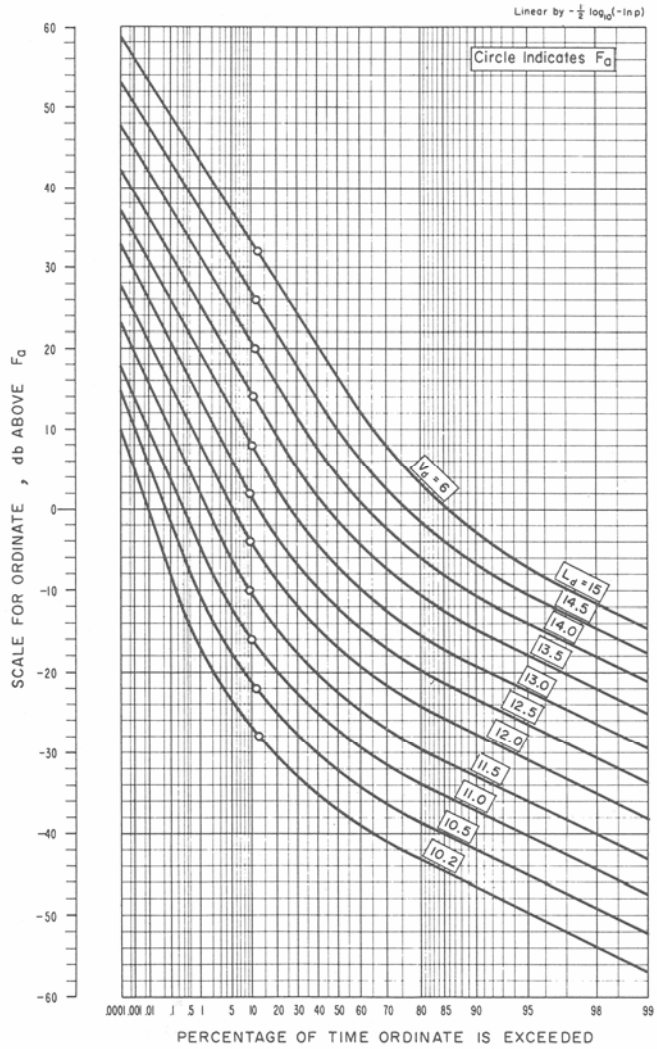


FIGURE 7. *Amplitude-probability distributions.*

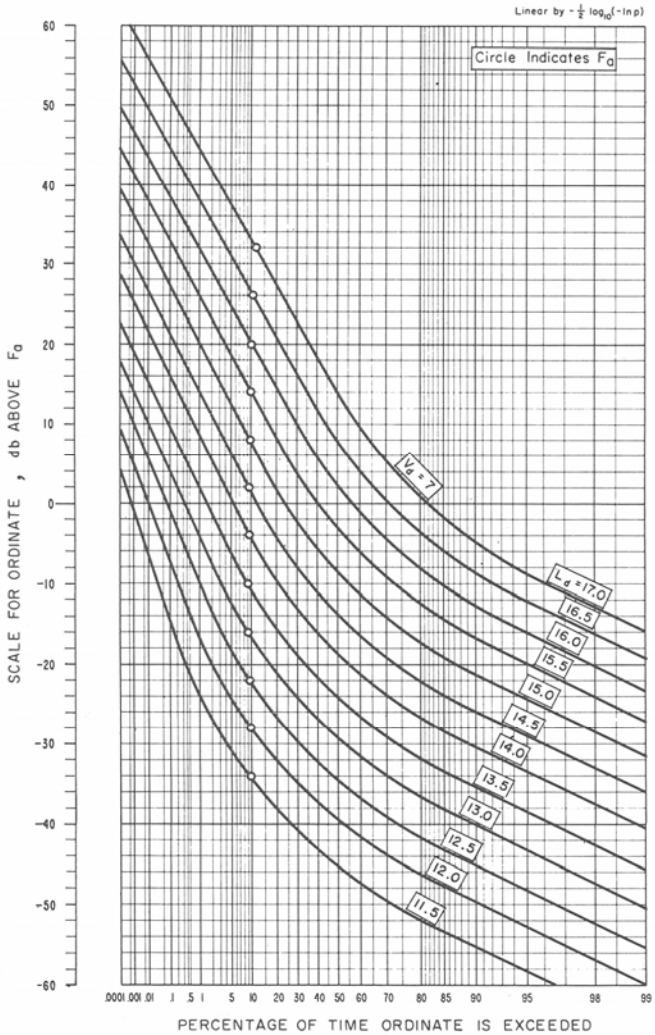


FIGURE 8. *Amplitude-probability distributions.*

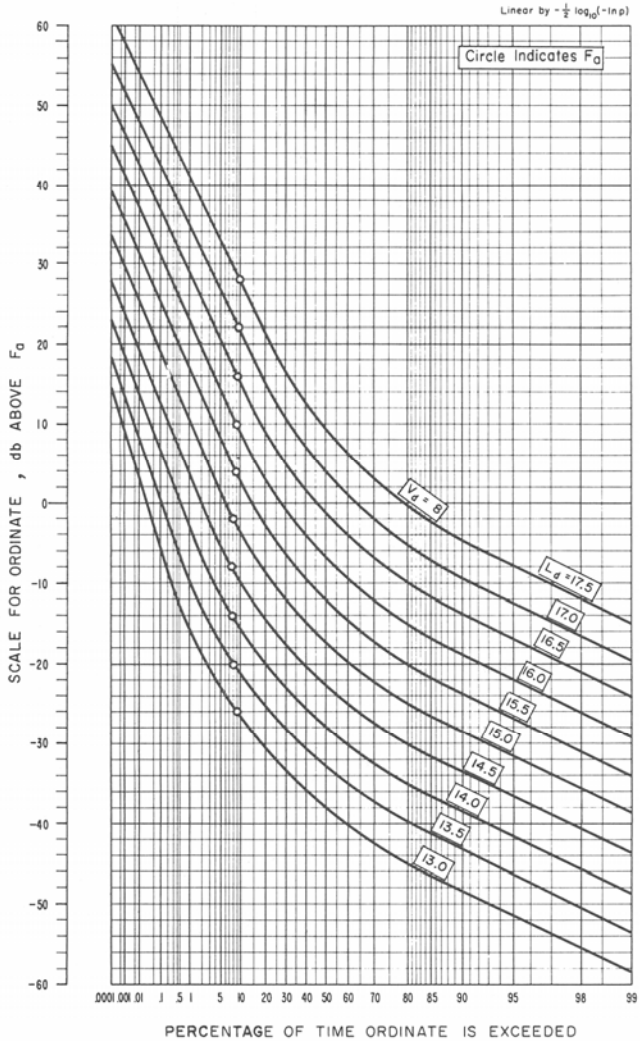


FIGURE 9. *Amplitude-probability distributions.*

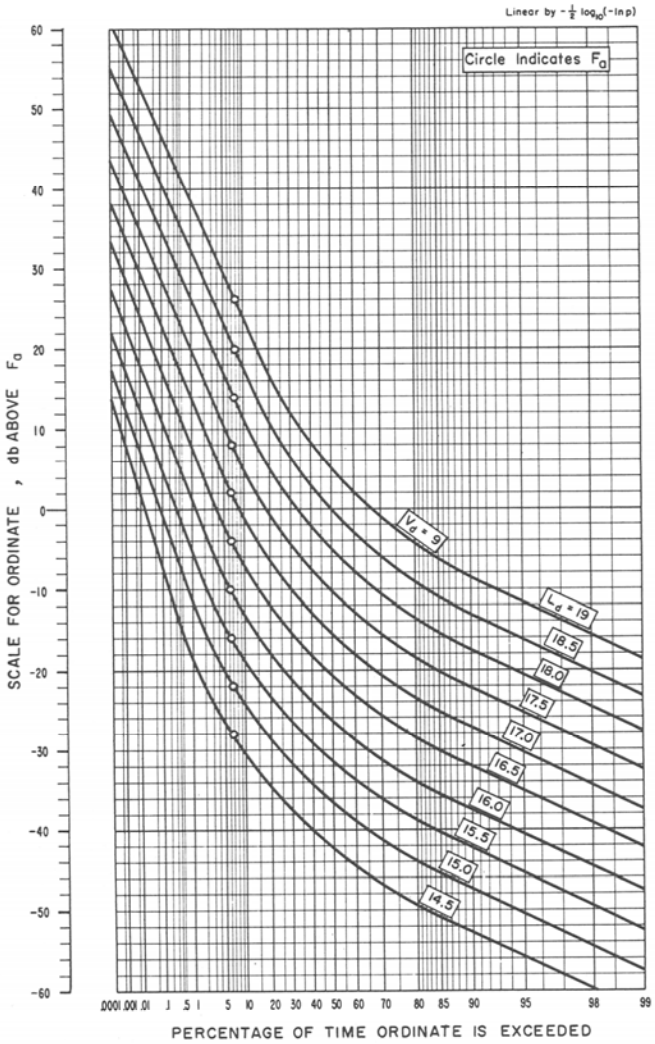


FIGURE 10. *Amplitude-probability distributions.*

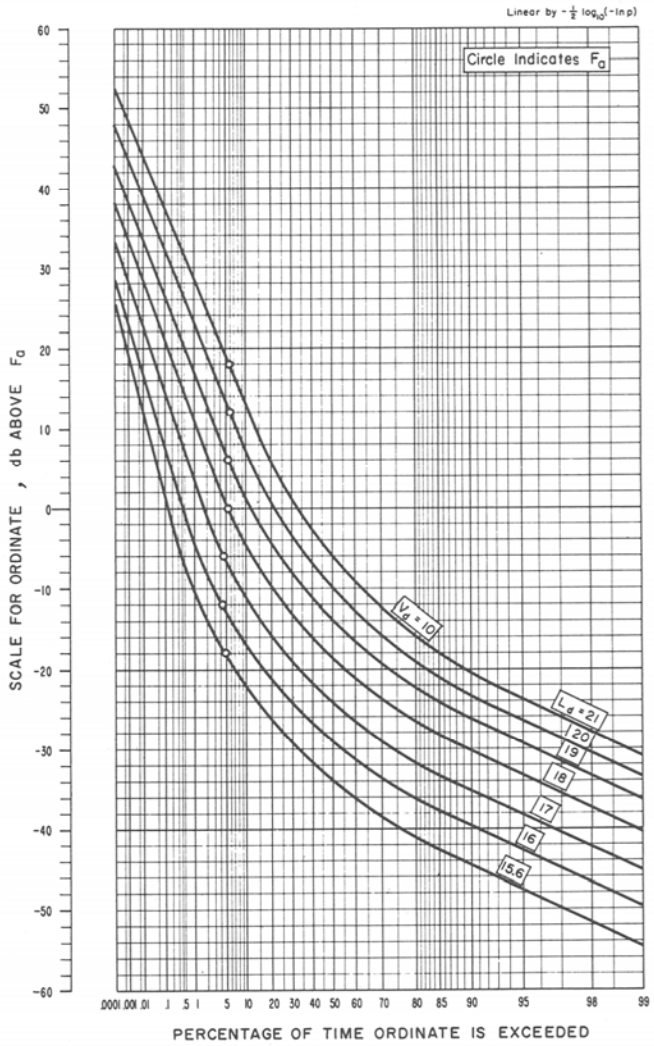


FIGURE 11. *Amplitude-probability distributions.*