

**2.60** Repeat Problem 2.59 using CD Module 2.6.

**Solution:** In Module 2.6, after setting  $Z_0 = 75 \Omega$ , and  $d = 0.6\lambda$ , cursor is used to move the load point so that  $S = 1.8$  and simultaneously  $\theta_r = -60^\circ$ . Once that was accomplished, the following values were extracted from the chart:

$$|\Gamma| = 0.286,$$

$$Z_L = 86.492 - j46.706,$$

$$\begin{aligned} Z_{in} &= z(d) Z_0 \\ &= (0.626671 - j0.290041) \times 75 \\ &= (47.0 - j21.75) \Omega. \end{aligned}$$

