

VE330 Summer 2012 Homework 1 (Due 06/12/12)

On David Cheng's textbook "Field and Wave Electromagnetics"

P9.11

P9.16

P9.19

P9.22

P9.25

P9.27

P9.42

P9.43

On David Pozar's textbook "Microwave Engineering" 3rd edition

P2.8

P2.9

P2.10

Problem 12. Locate these load impedances on the Smith Chart. Given $Z_0 = 50 \, \Omega$

(1) $Z_L = 100 + j30$

(2) $Z_L = 20 - j80$

(3) $Z_L = 150$

(4) $Z_L = -j75$