

Problem	Solution
2.3	D=13.47dB, G=13.01dB
2.4	W=6.37 E-6 , D=9dB, G= 9dB
2.5	Prad=1.879 W, D= 8.25dB
2.6	D=39.3=15.9dB, b) D=34.3=15.35dB
2.10	a) D=7.36dB, b) D_dipole=1.5=1.76dB, D(above dipole)= 7.36- 1.76=5.6dB, D(above dipole) =5.45/1.5=3.63=5.6dB
2.11	Do=20=13.dB, b) HPBW= 65.5 deg (in elevation)
2.29	PLF = 0 or 1 (if both antennas have same pol)
2.39	$I_g = 0.0142e^{-j28.56}$, Ps=0.0124, Pr=.00732W, Pl=0.1mW
2.41	Ig= .055 ang33.7, Ps= .231W Prad = .148W
2.48	D=3.125
2.61	Ptmin=351W
2.69	Pr=34.02pW
Ch. 3; Problems 1 and 3	
Ch. 4; Probl. 23, 25, 29, 31, 32	
Ch. 5 Probl. 3, 4,12, 13, 24	
Ch. 6 Probl. 1, 3, 10 , 14, 30, 40, 46,	
Ch. 9 , 10 &11 Probl. 10.22, 10.28, 11.3a	
Ch. 12, 13 &15 Probl. 12. 25, 13. 14, 13. 15, 13.26, 15.10, 15.7, 15.12, 15.23	
Ch. 14 Probl. 1, 3a&b	