10.66 dBi   11.42 dB   2.53 dBi   11.42 dB

--------- 2017-02-04 23:45 ---- (nec2c) -----

Frequency 14.000 MHz
Frequency 14.175 MHz
Frequency 14.350 MHz
Feedpoint(1) - Z: (82.376 - i 267.450)   I: (0.0011 + i 0.0034)   VSWR(Zo=50 Ω): 19.6:1
Feedpoint(1) - Z: (70.584 - i 102.970)   I: (0.0045 + i 0.0066)   VSWR(Zo=50 Ω): 4.9:1
Feedpoint(1) - Z: (70.175 + i 52.015)   I: (0.0092 - i 0.0068)   VSWR(Zo=50 Ω): 2.5:1
Ground - Rel. dielectric constant 13.000, conductivity: 0.00400 mhos/meter. (Sommerfeld/Norton)
Directivity: 11.42 dB
Max gain: 11.36 dBi (azimuth 27 deg., elevation 6 deg.)
Front-to-back ratio: 0.00 dB (elevation 6 deg)
Front-to-back ratio: 0.00 dB (elevation of front lobe)
Front-to-rear ratio: 0.00 dB
Average Gain: 0.9953 (0.020 dB)
Compute time: 0.18 sec