



----- 2017-02-05 00:30 ---- (nec2c) -----

Frequency 21.000 MHz

Frequency 21.225 MHz

Frequency 21.450 MHz

Feedpoint(1) - Z: (141.230 - i 212.010) I: (0.0022 + i 0.0033) VSWR(Zo=50 Ω): 9.4:1

Feedpoint(2) - Z: (140.170 - i 211.380) I: (0.0022 + i 0.0033) VSWR(Zo=50 Ω): 9.4:1

Feedpoint(1) - Z: (139.400 - i 82.377) I: (0.0053 + i 0.0031) VSWR(Zo=50 Ω): 3.9:1

Feedpoint(2) - Z: (139.050 - i 81.533) I: (0.0054 + i 0.0031) VSWR(Zo=50 Ω): 3.8:1

Feedpoint(1) - Z: (143.950 + i 37.913) I: (0.0065 - i 0.0017) VSWR(Zo=50 Ω): 3.1:1

Feedpoint(2) - Z: (143.780 + i 38.461) I: (0.0065 - i 0.0017) VSWR(Zo=50 Ω): 3.1:1

Ground - Rel. dielectric constant 13.000, conductivity: 0.00400 mhos/meter. (Sommerfeld/Norton)

Directivity: 14.05 dB

Max gain: 13.01 dBi (azimuth 66 deg., elevation 4 deg.)

Front-to-back ratio: 0.00 dB (elevation 4 deg)

Front-to-back ratio: 0.00 dB (elevation of front lobe)

Front-to-rear ratio: 0.00 dB

Average Gain: 0.7939 (1.002 dB)

Compute time: 0.12 sec