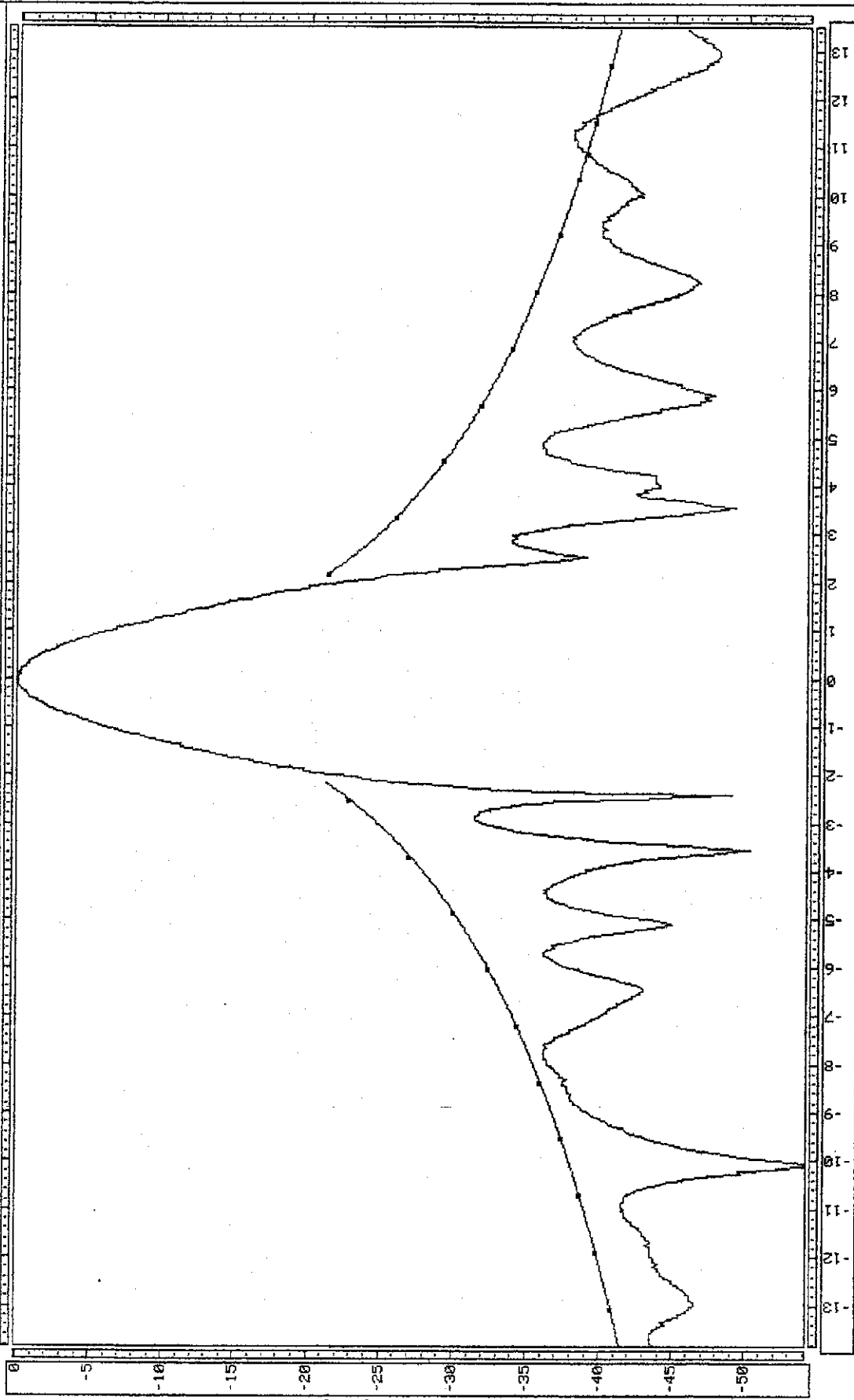


Power Density Comparison at 2 degrees from main beam for proposed Earth Station and FCC Max. Antenna Gain Listed for Seatel 9797 is worst case of RHCP Co-Pol and LHCP Co-Pol Patterns.

SEATEL 9797	5.845 GHz	6.135 GHz	6.425 GHz
Antenna Gain (dBi) at 2 deg	21.2	21.18	17.67
Pwr Density (dBW/4kHz)	-16.7	-16.7	-16.7
Total (dBW/4kHz)	4.5	4.48	0.97

FCC Maximum Allowable	29-25log(2) - 2.7		
Antenna Gain (dBi) at 2 deg	21.47	21.47	21.47
Pwr Density (dBW/4kHz)	-2.7	-2.7	-2.7
Total (dBW/4kHz)	18.77	18.77	18.77

seatel 2.4m radome 3 Jan 2001 5.845 GHz LHCP Co-pol Gain:41.93 dBI

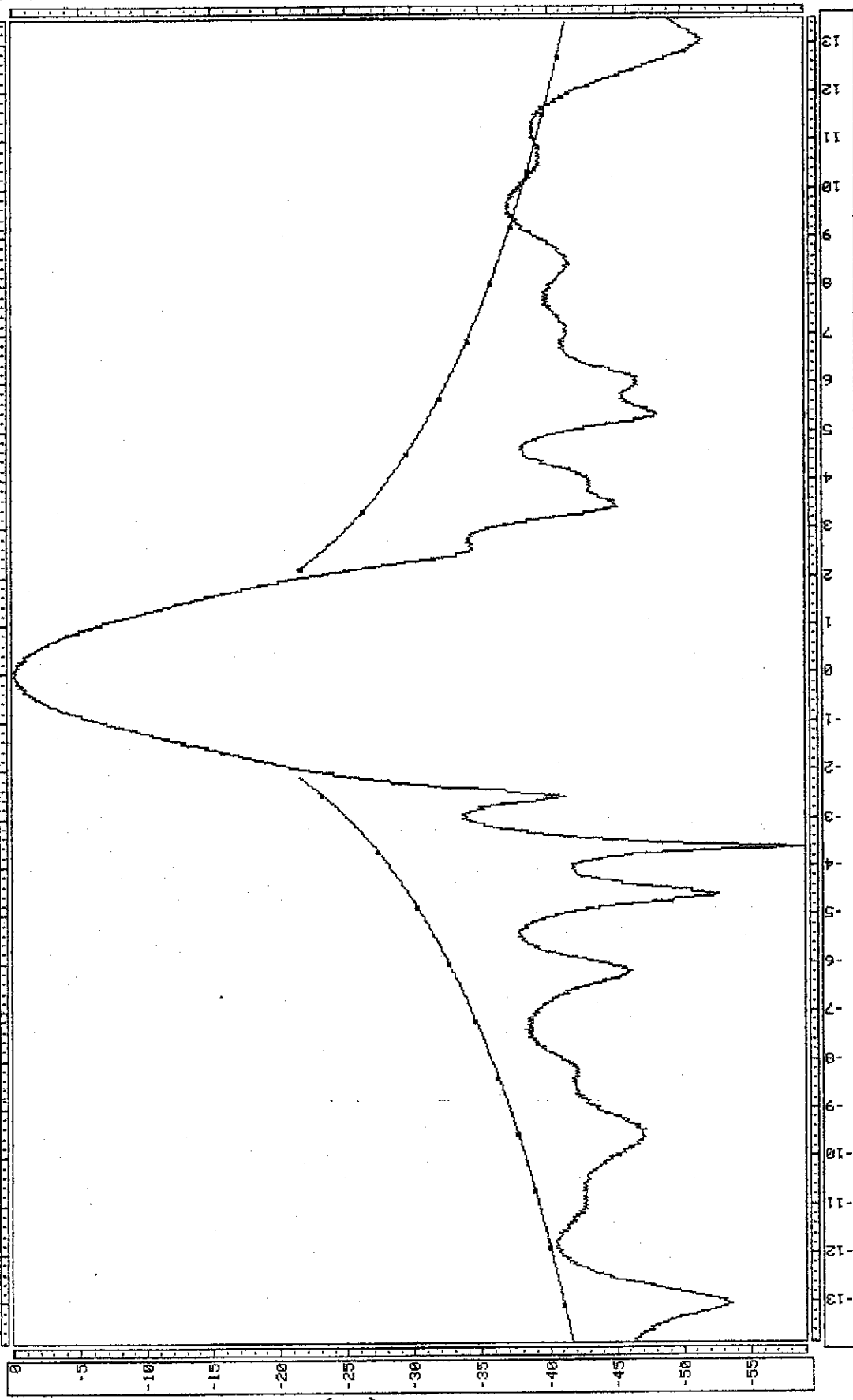


PEAK 0 AZ 0 EL AZ (deg) SAT: N/A CSM: range

29-25Log(ang)

Figure 14

seatel 2.4m radome 3 Jan 2001 5.845 GHz RHCP Co-pol Gain:42.2 dBi

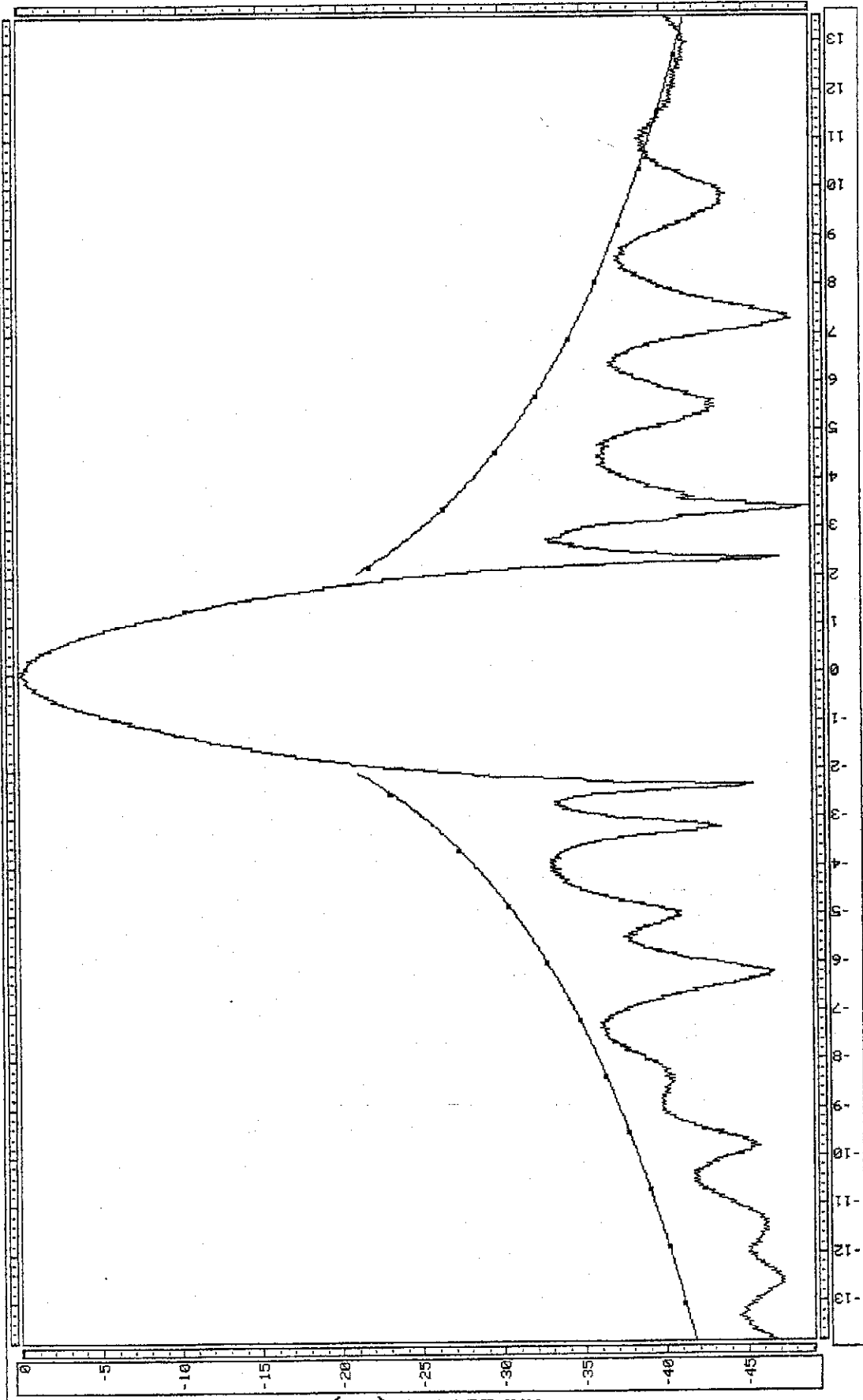


PEAK 0 AZ 0 EL SAT: N/A CSM: range

29-25Log(ang)

Figure 16

Seatel 2.4m Radome 2 Jan 2001 6.135 GHz LHCP Co-pol Gain:42.27 dBi



PEAK 0 AZ 0 EL AZ (deg) SAT: N/A CSM: range
29-25Log(ang)

Figure 18

Seatel 2.4m Radome 30 Dec 2000 6.135 GHz RHCP Co-pol Gain:42.18 dBI

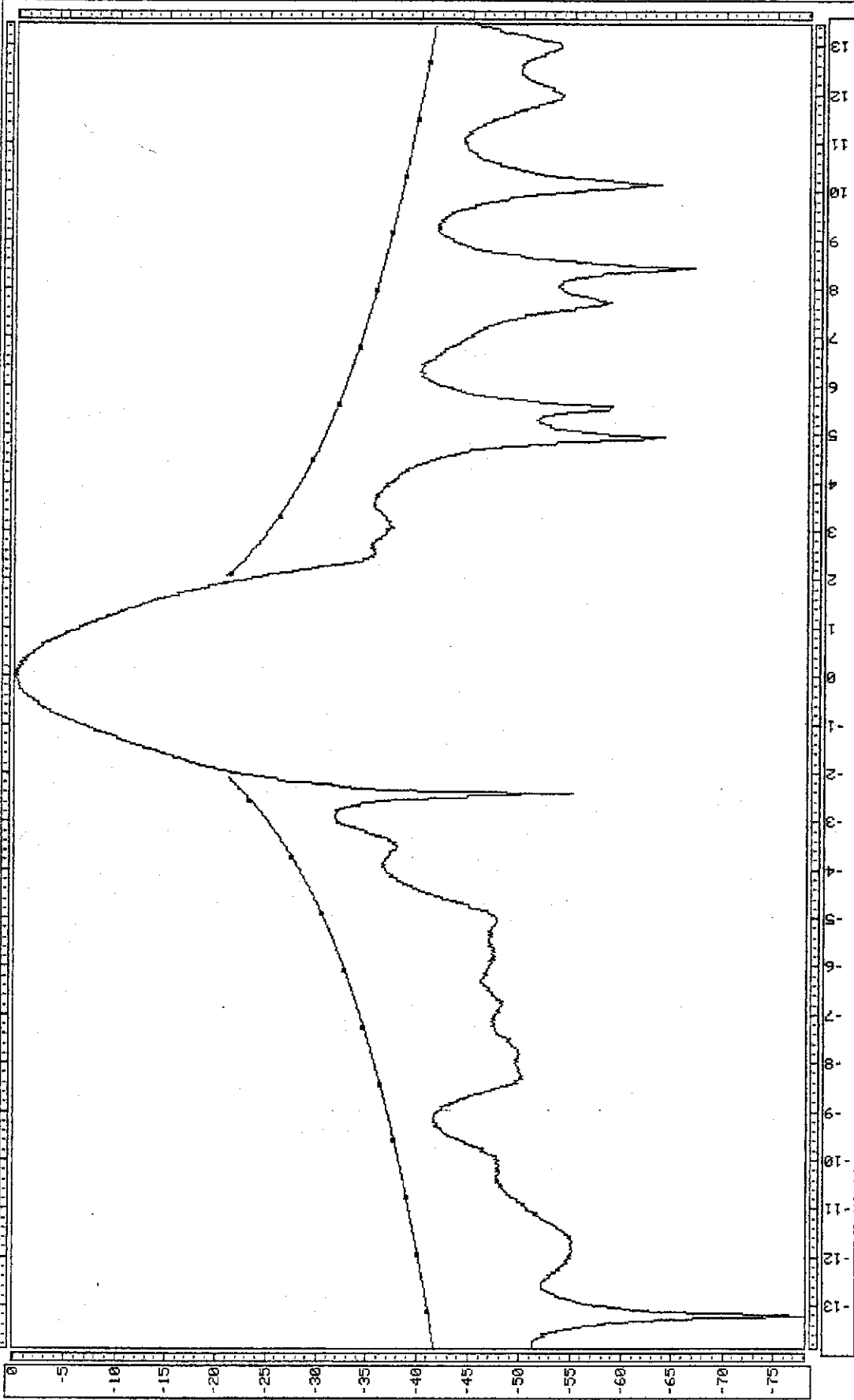
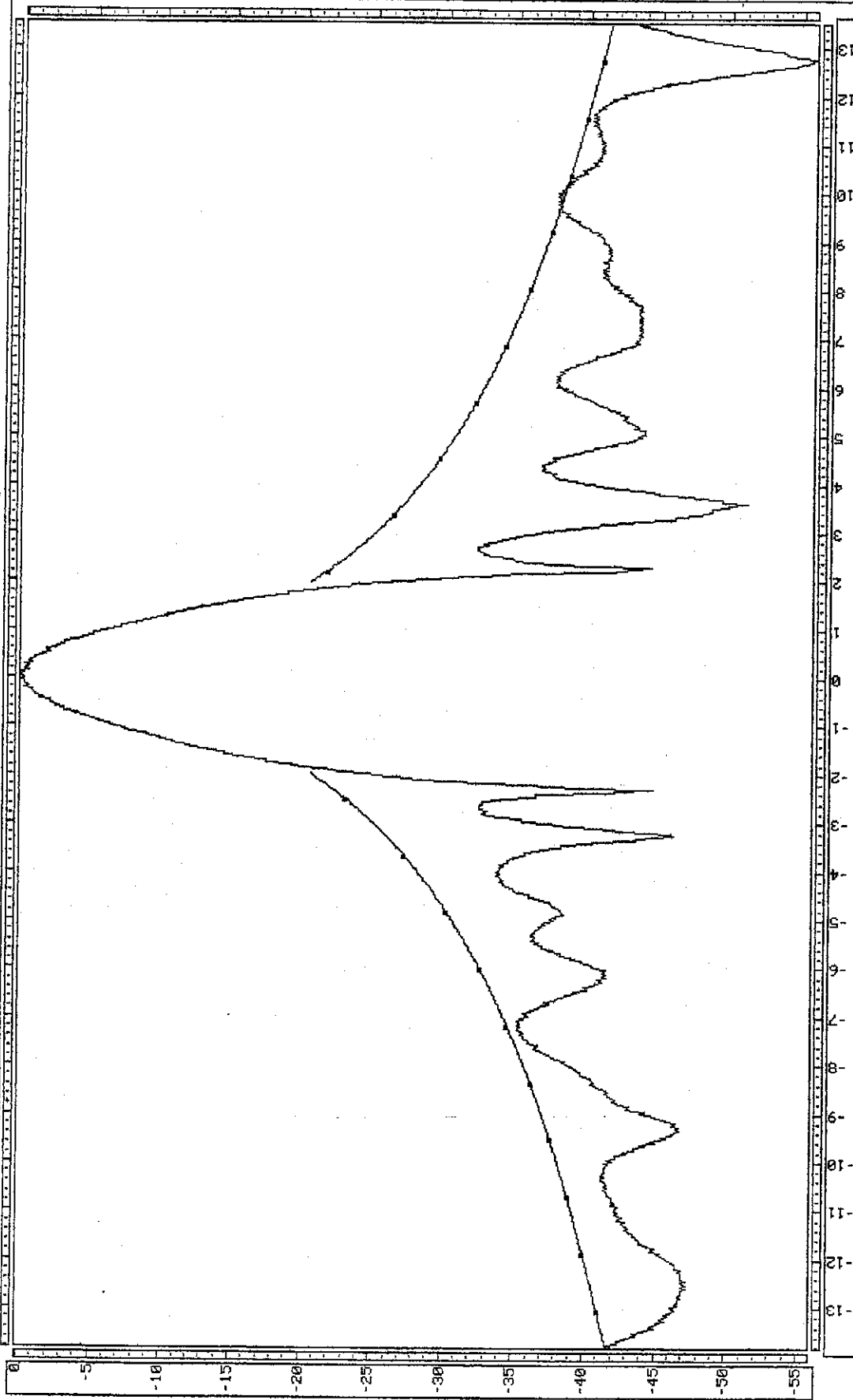


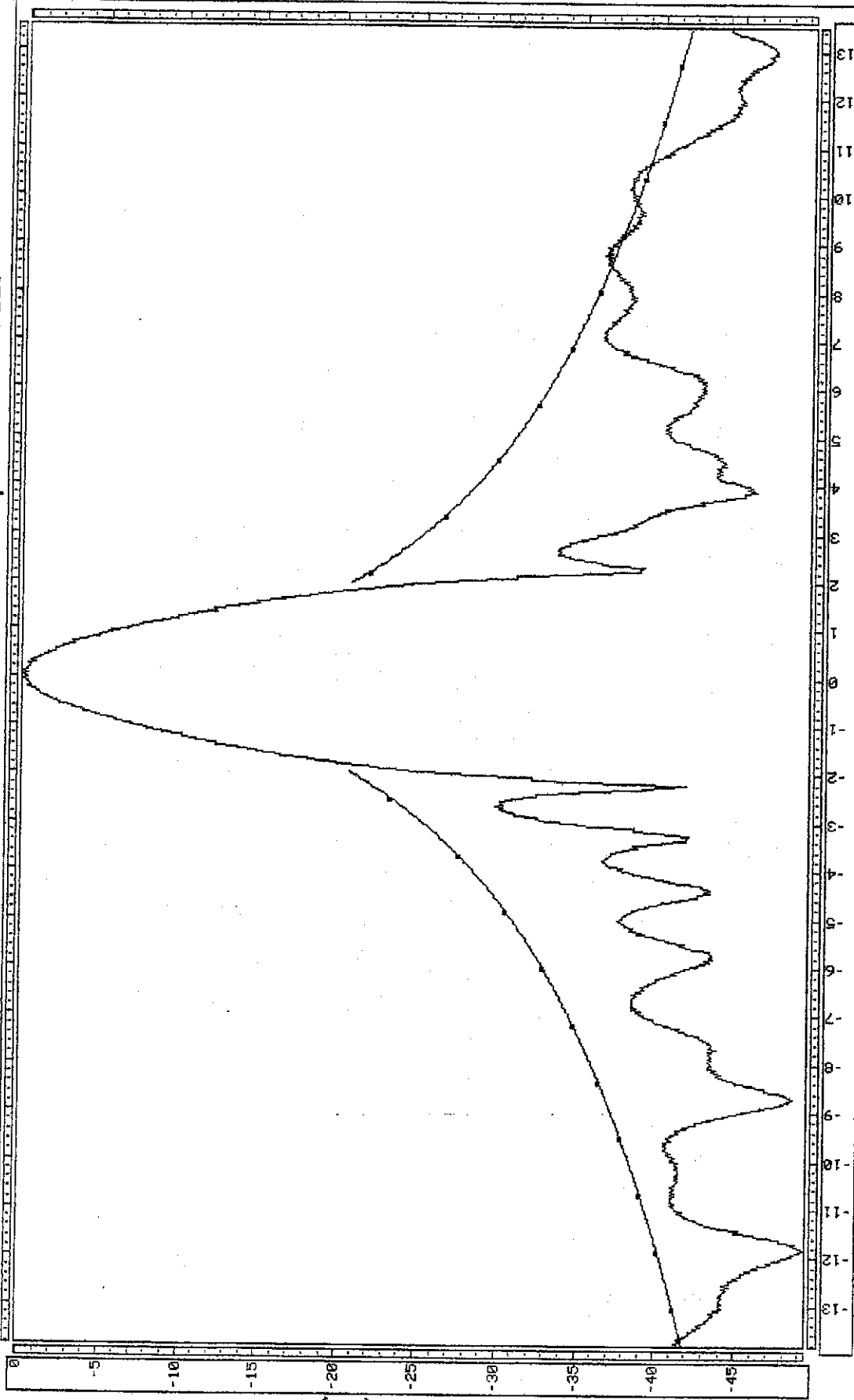
Figure 20

seatel 2.4m radome 3 Jan 2001 6.425 GHz LHCP Co-pol Gain:42.17 dBi



PEAK 0 AZ 0 EL AZ (deg) SAT: N/A CSM: range
29-25Log(ang)

seatel 2.4m radome 3 Jan 2001 6.425 GHz RHCP Co-pol Gain:42.34 dBi



PEAK 0 AZ 0 EL AZ (deg) SAT: N/A CSM: range
29-25Log(ang)