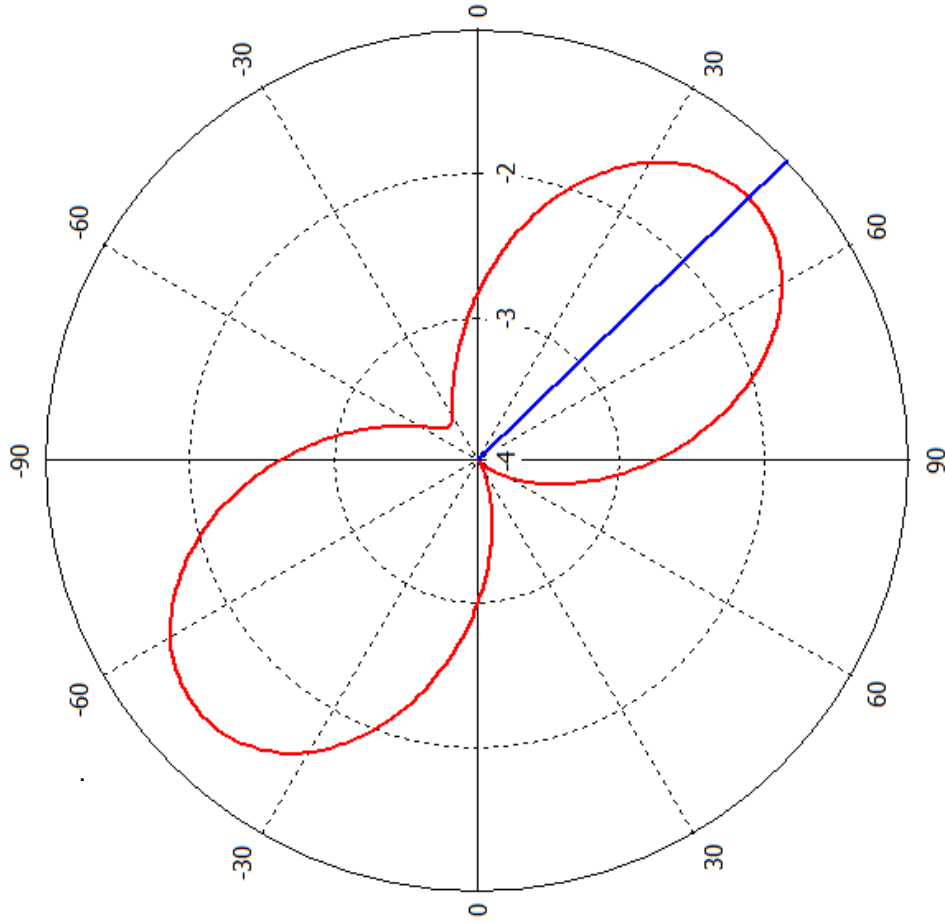


farfield (F=2.202) [1]

Type	Farfield
Approximation	enabled ( $kR \gg 1$ )
Component	Abs
Output	Directivity
Frequency	2.202 GHz
Rad. Effic.	-1.516 dB
Tot. Effic.	-3.840 dB
Dir.	5.178 dBi



Farfield Directivity Abs (Azimuth=90)



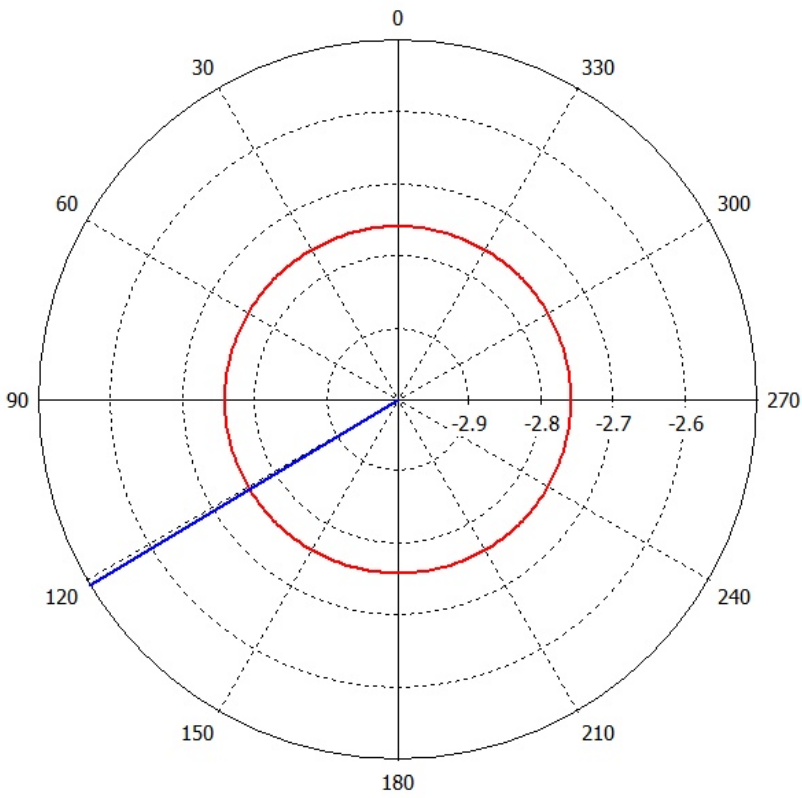
— farfield (f=2.202) [1]

### Directivity as Function of Elevation

Note: The spacecraft structure acts as ground plane and is not included in this analysis. The backward lobe is expected to be suppressed compared to the result presented. This detail can be added to the analysis upon request.

Frequency = 2.202 GHz  
Main lobe magnitude = -1.38 dBi  
Main lobe direction = 46.0 deg.

Farfield Directivity Abs (Elevation=90)



— farfield (f=2.202) [1]

Azimuth / Degree vs. dBi

Frequency = 2.202 GHz  
Main lobe magnitude = -2.76 dBi  
Main lobe direction = 121.0 deg.