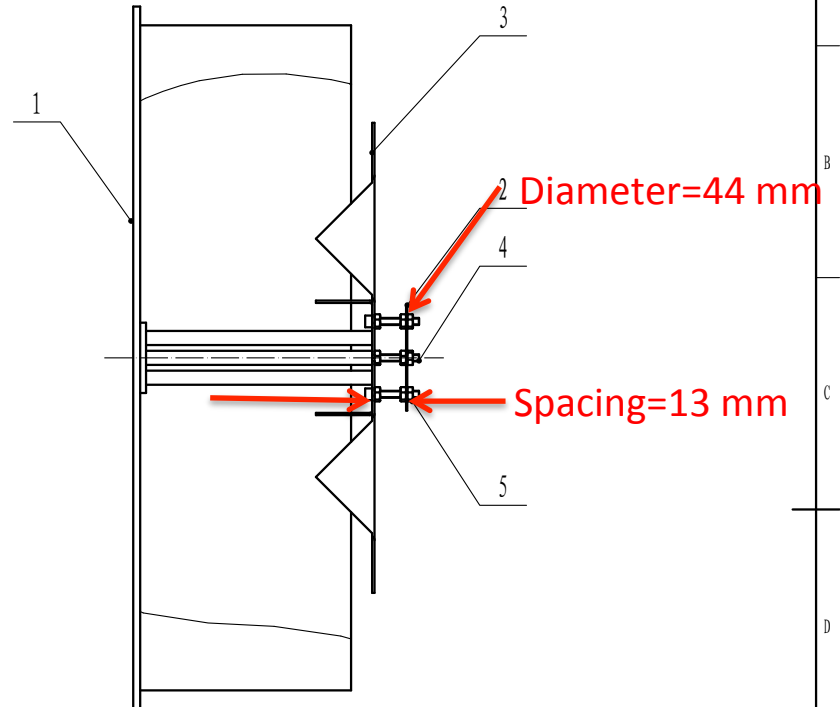
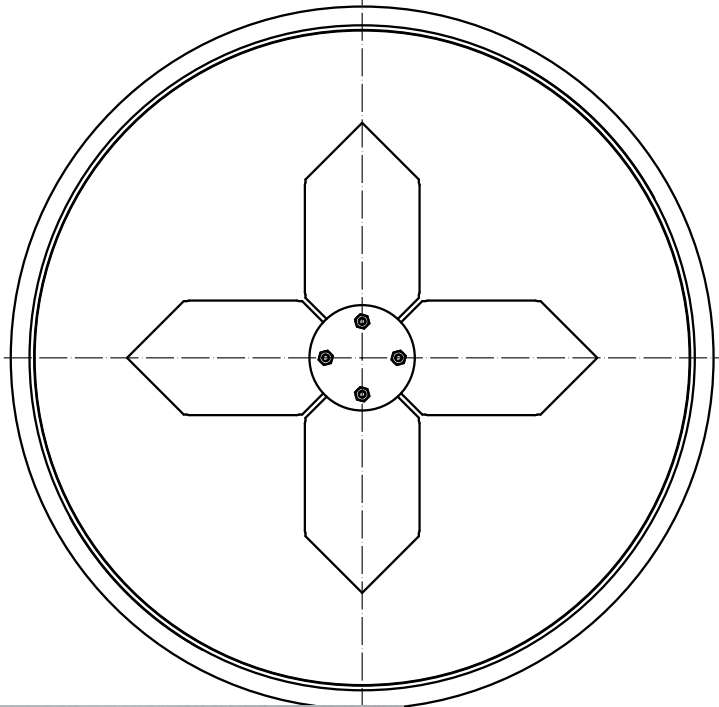


UW status – April 2013

- NSF-ATI proposal not funded
- Interferometer simulations – Le Zhang
- 3-element interferometer array
 - 2.6 m dishes on roof
 - CASPER/Roach2 boards on loan from IIT-Indore (Siddharth Malu's lab)
 - Copy/borrow 4-square feeds from NAOC?

US2.946.C0761

Simulations of NAOC/Institute 54 feed

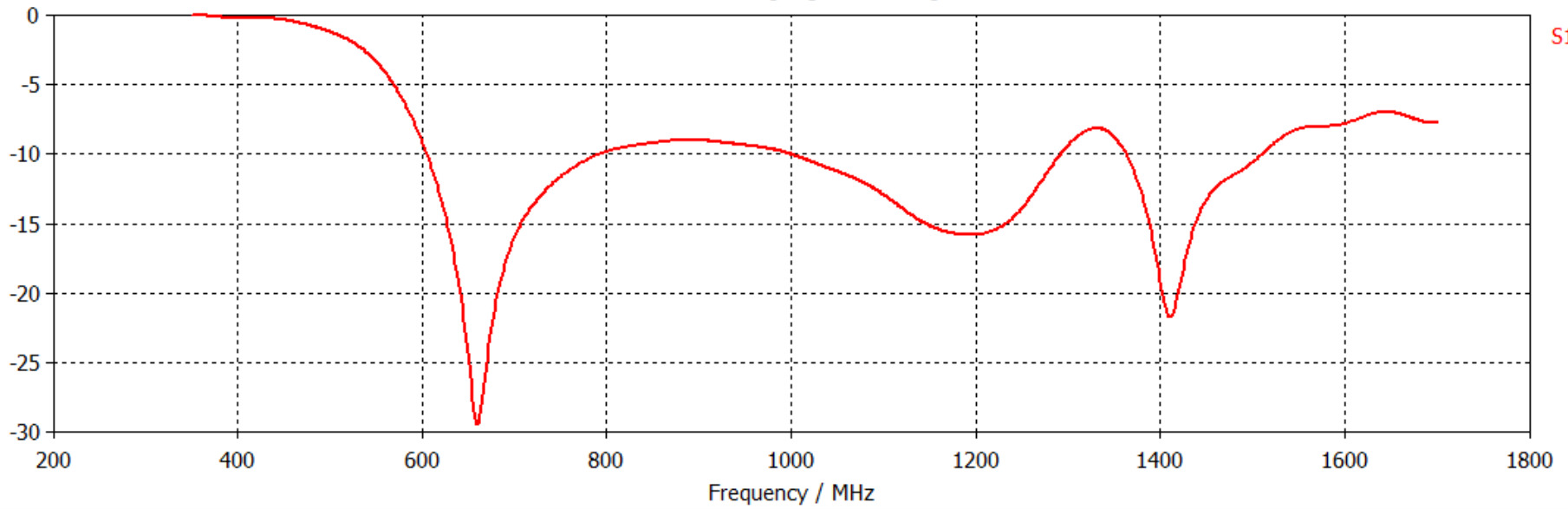


5	US8.934.C2940	螺母	12	
4	US8.926.C0522	螺柱	4	
3	US8.610.C17085	振子	4	
2	US8.031.C4798	匹配盘	1	
1	US5.967.C0469	腔体	1	
序号	编号	名称	数量	备注

宽带馈源		US2.946.C0761		
		阶段标记	质量	比例
				1:2
		第 1 张	共 1 张	

幅面: 3

S-Parameter [Magnitude in dB]

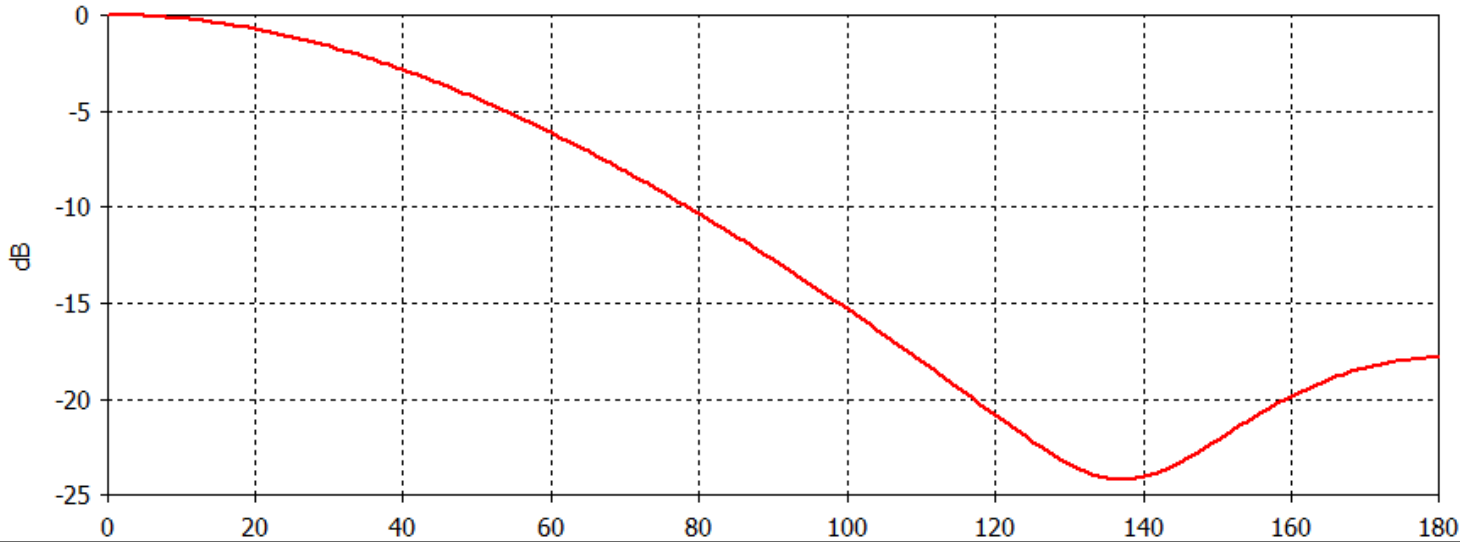


S_{1,1}

650 MHz

E-Plane

Farfield Gain Abs (Phi=0)

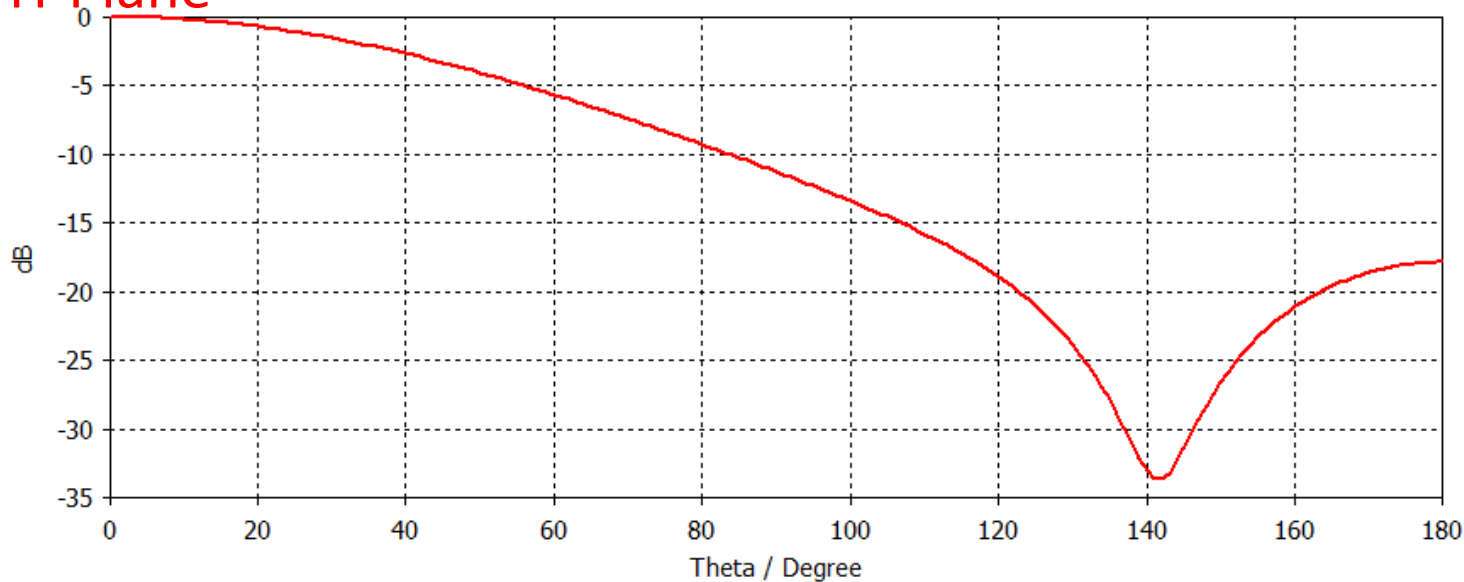


farfield (f=650) [1]

Frequency = 650
Main lobe magnitude = -0.0 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 82.1 deg.

H-Plane

Farfield Gain Abs (Phi=90)



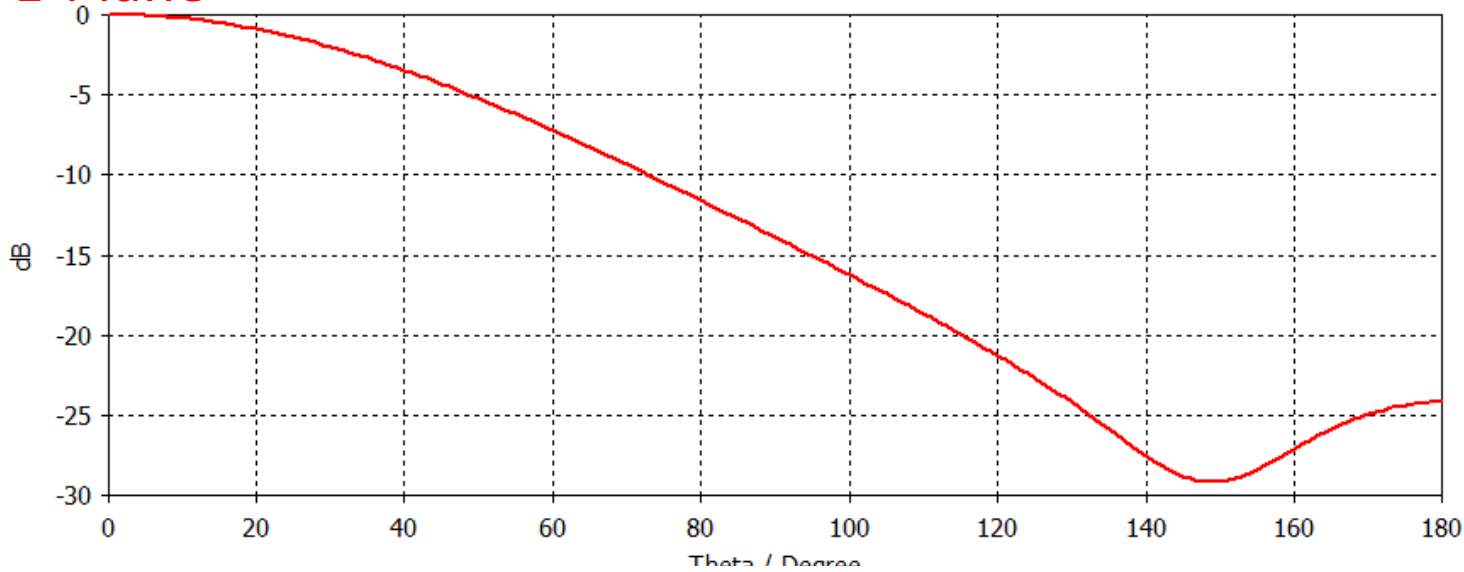
farfield (f=650) [1]

Frequency = 650
Main lobe magnitude = -0.0 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 85.1 deg.
Side lobe level = -17.8 dB

800 MHz

E-Plane

Farfield Gain Abs (Phi=0)

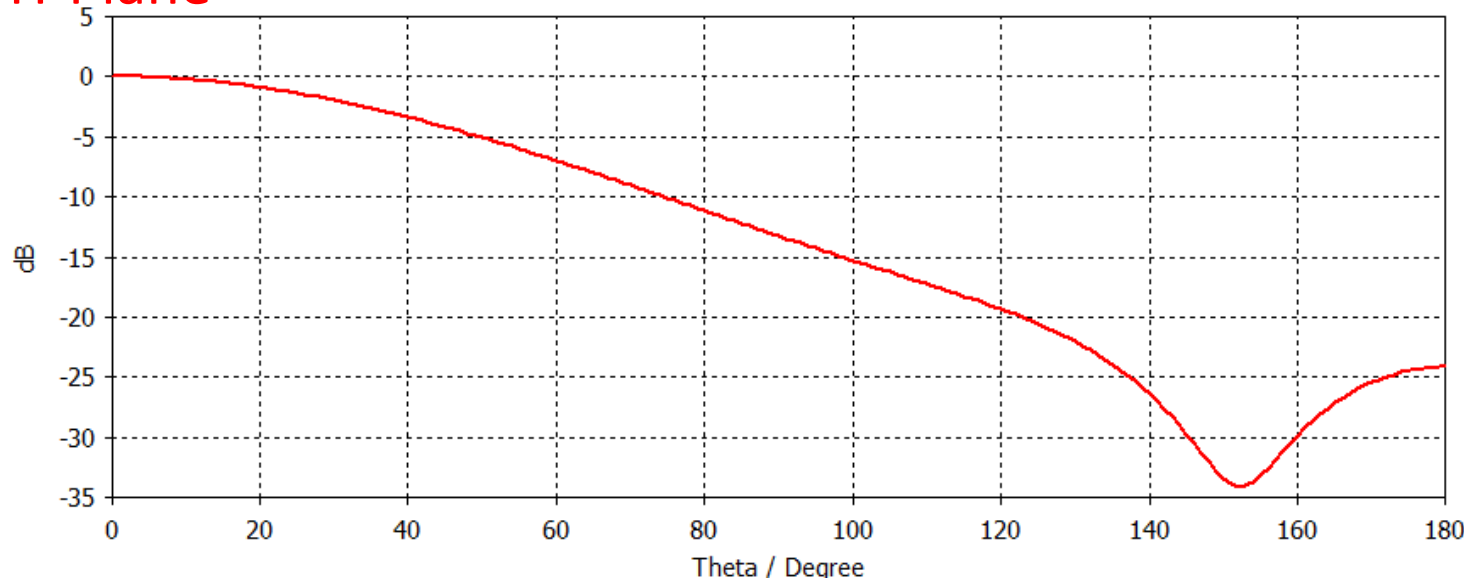


farfield (f=800) [1]

Frequency = 800
Main lobe magnitude = 0.0 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 73.9 deg.
Side lobe level = -24.1 dB

H-Plane

Farfield Gain Abs (Phi=90)



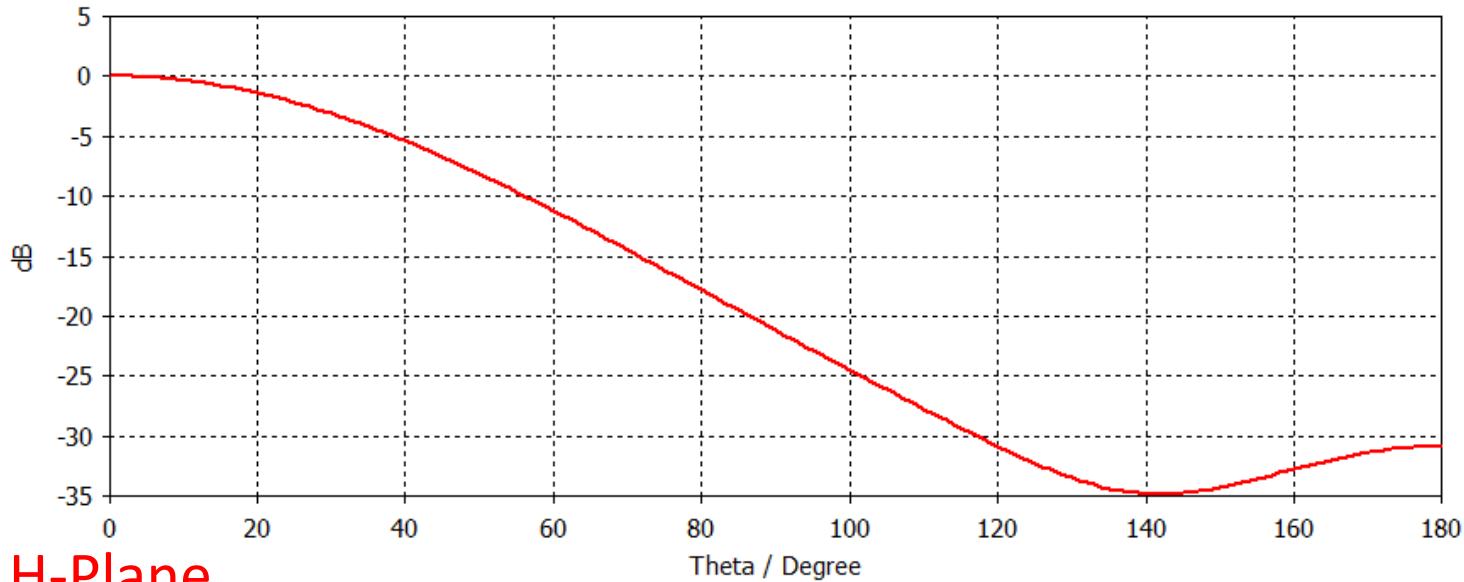
farfield (f=800) [1]

Frequency = 800
Main lobe magnitude = 0.0 dB
Main lobe direction = 0.0 deg.
Angular width (3 dB) = 75.2 deg.
Side lobe level = -24.1 dB

1150 MHz

E-Plane

Farfield Gain Abs (Phi=0)



farfield (f=1150) [1]

Frequency = 1150

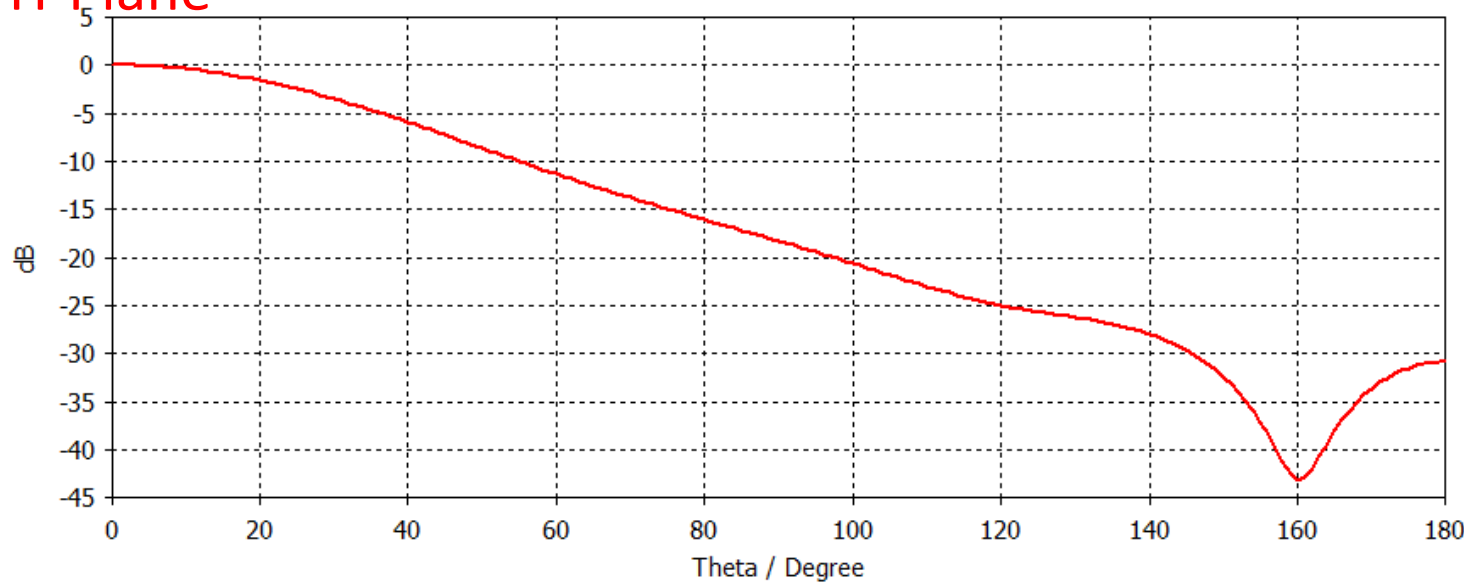
Main lobe magnitude = 0.0 dB

Main lobe direction = 0.0 deg.

Angular width (3 dB) = 58.4 deg.

Side lobe level = -30.8 dB

H-Plane



farfield (f=1150) [1]

Frequency = 1150

Main lobe magnitude = 0.0 dB

Main lobe direction = 0.0 deg.

Angular width (3 dB) = 55.4 deg.

Side lobe level = -30.8 dB