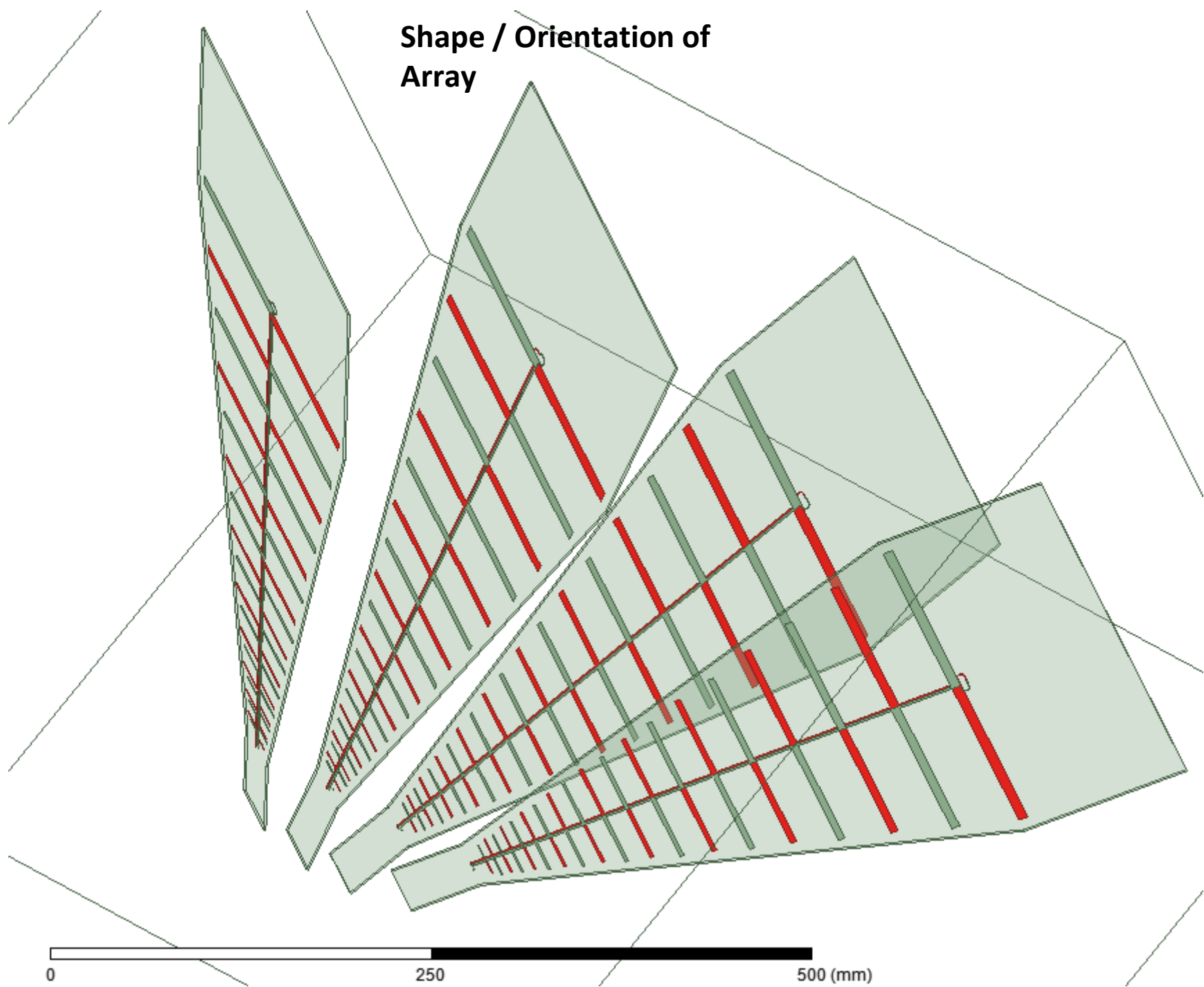


Array design

Shape / Orientation of Array

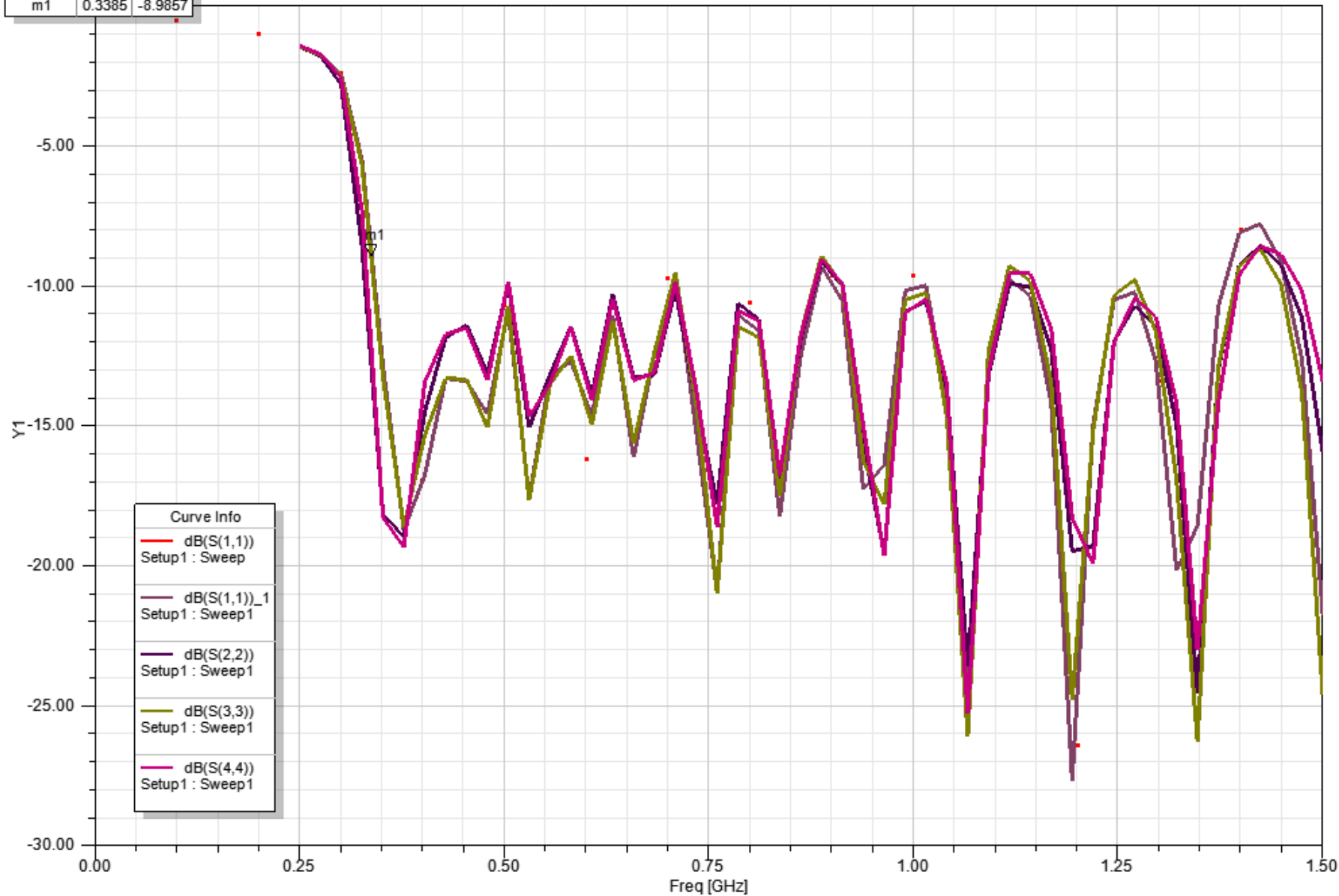


S11 (Return Loss) of antennas #1, #2, #3 and #4

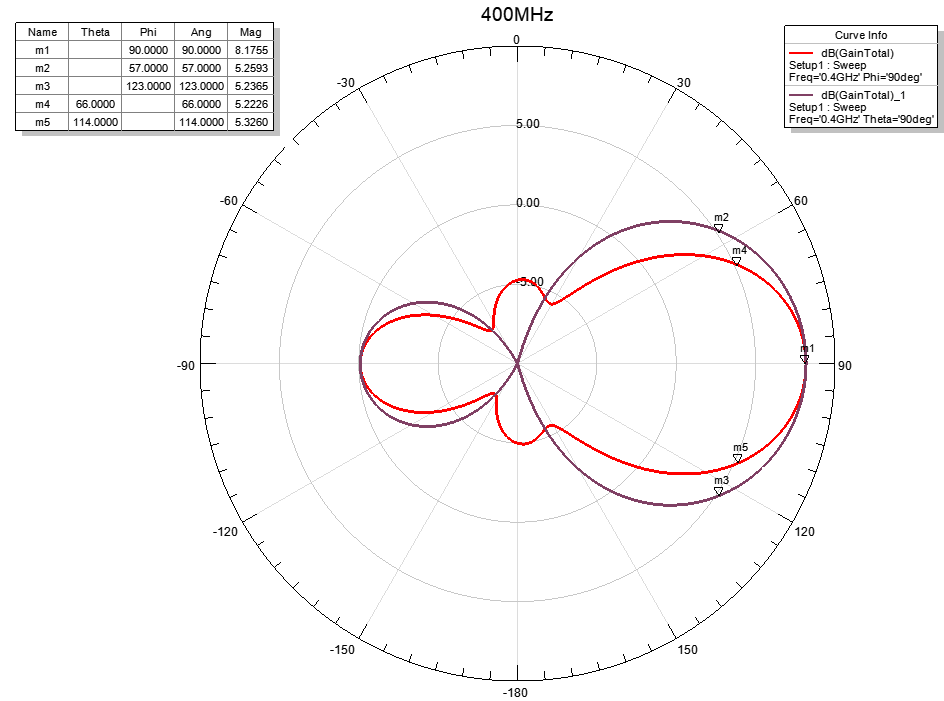
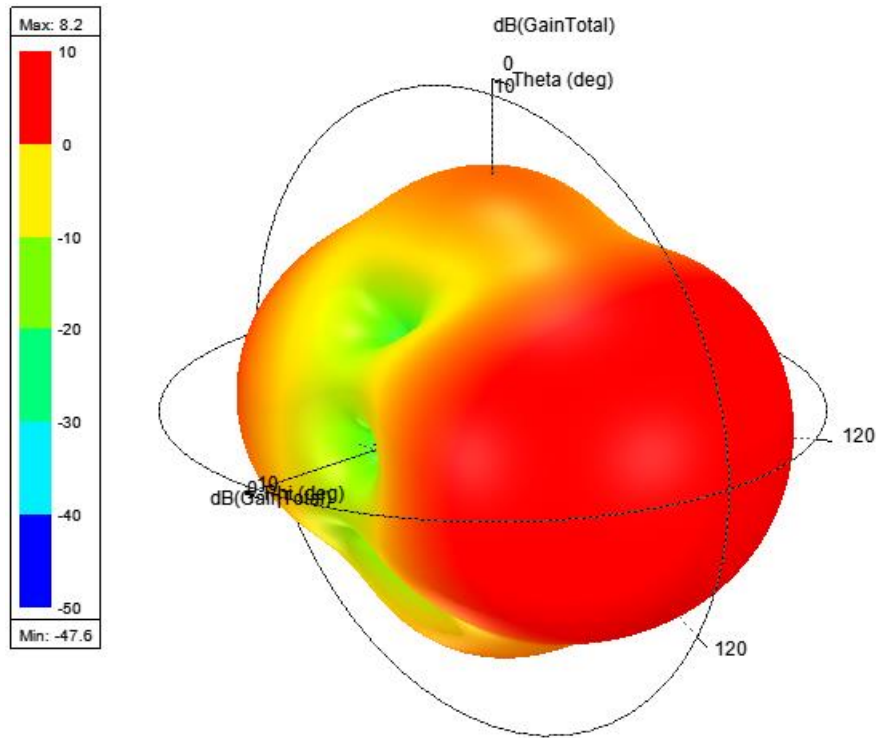
Name	X	Y
m1	0.3385	-8.9857

S11

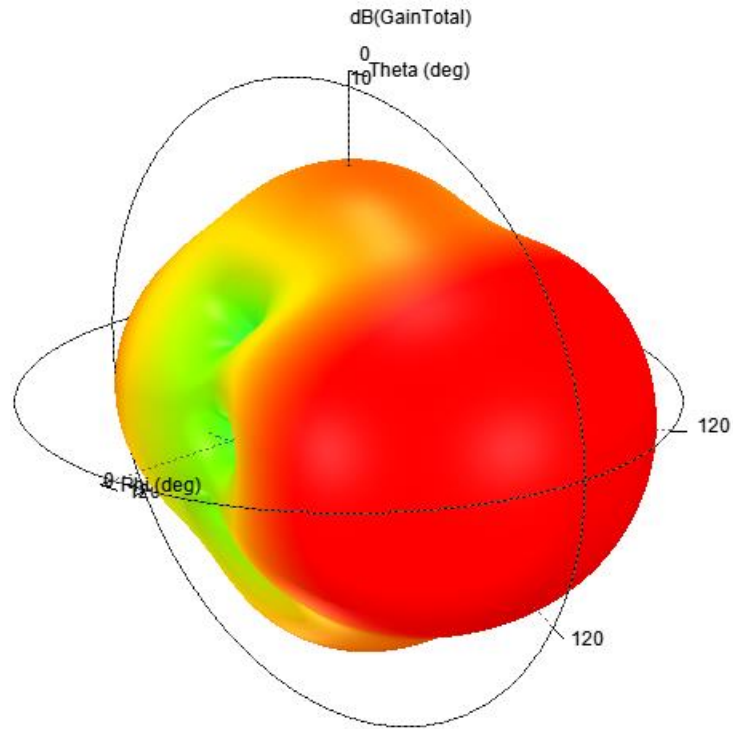
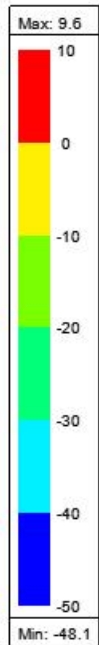
HFSSDesign1



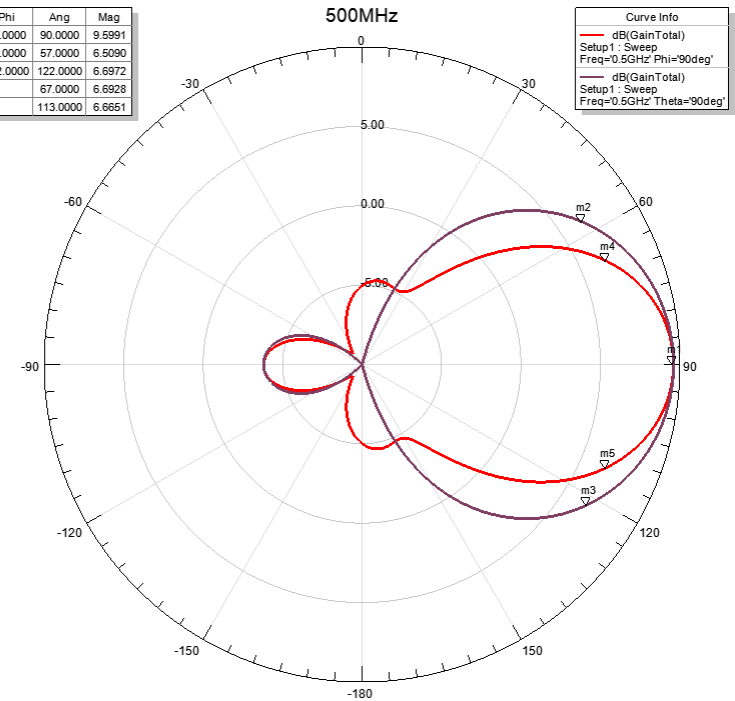
Radiation pattern at 400 MHz



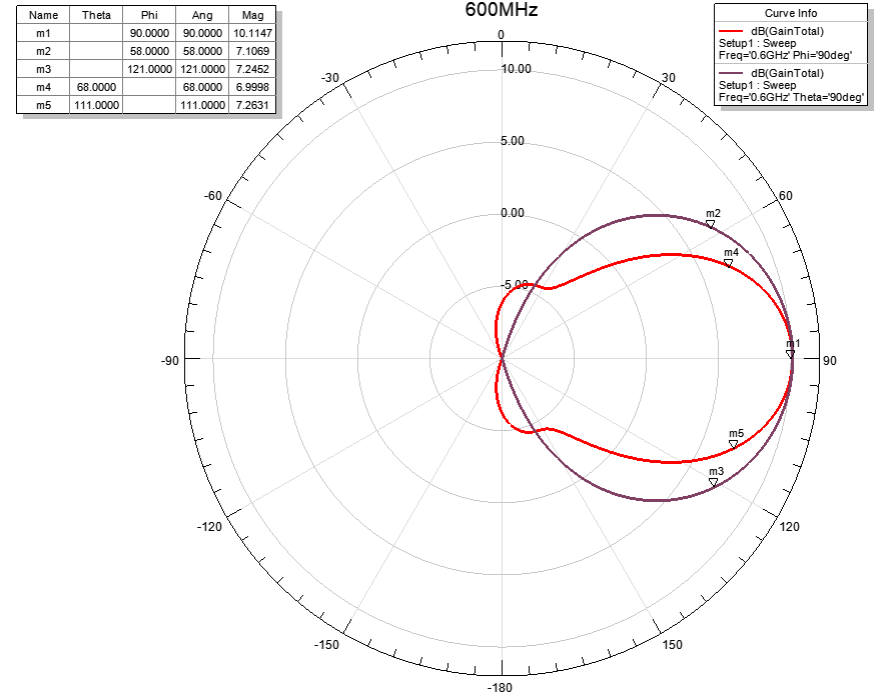
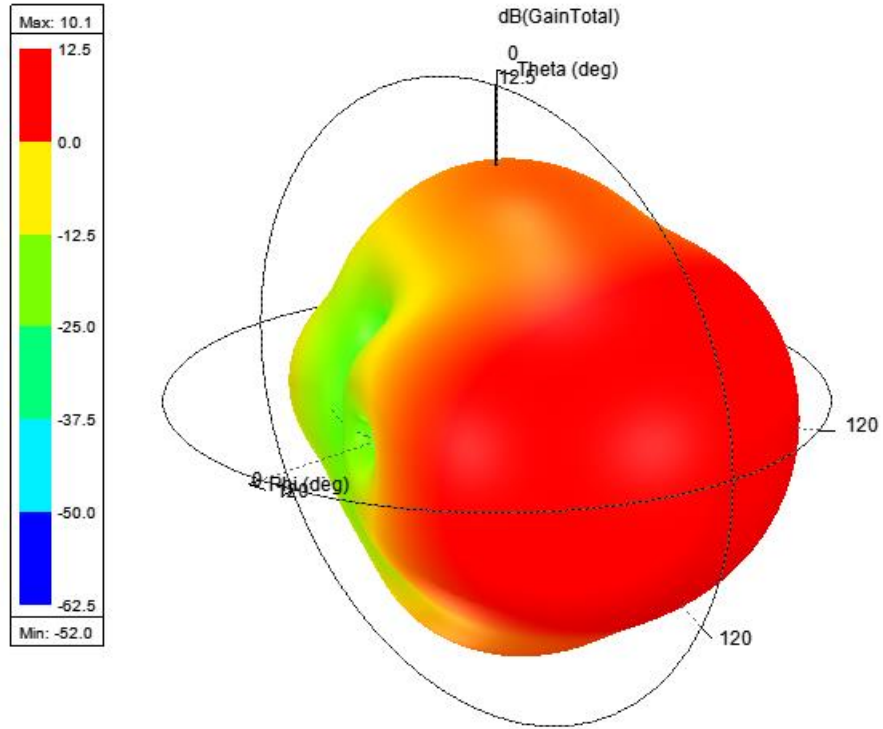
Radiation pattern at 500 MHz



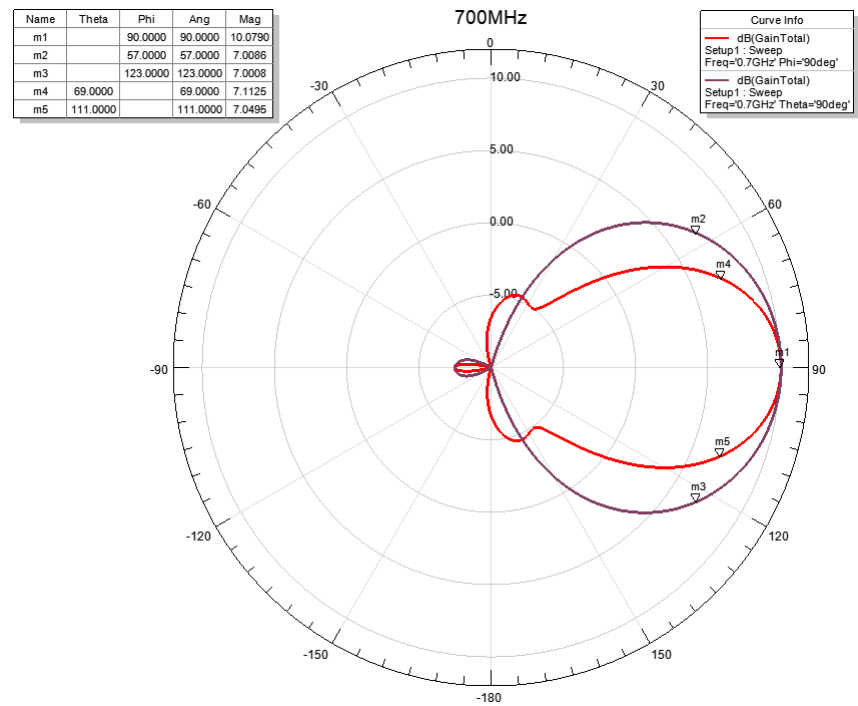
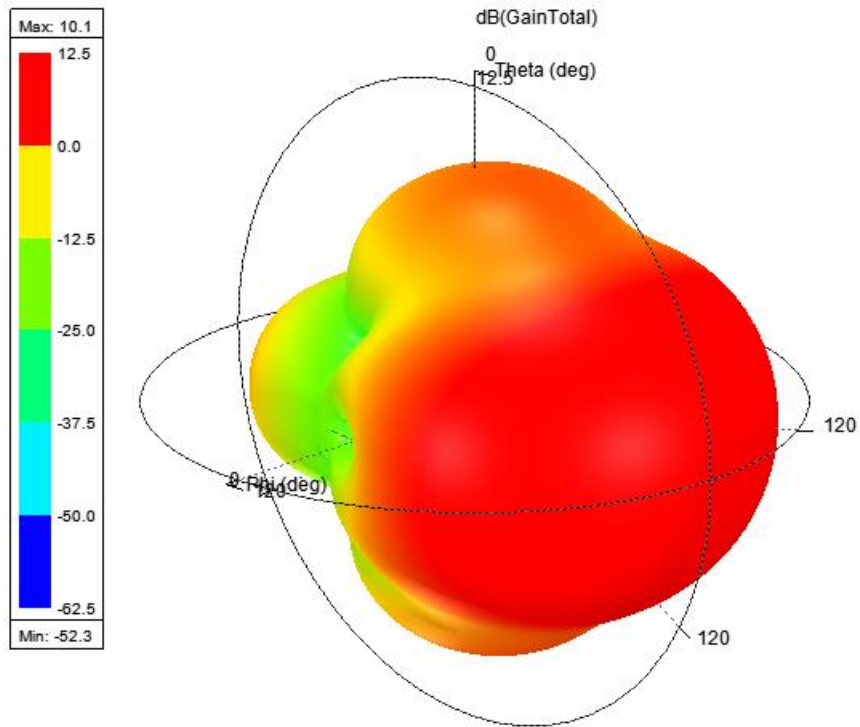
Name	Theta	Phi	Ang	Mag
m1		90.0000	90.0000	9.5991
m2		57.0000	57.0000	6.5090
m3		122.0000	122.0000	6.6972
m4	67.0000		67.0000	6.6928
m5	113.0000		113.0000	6.6651



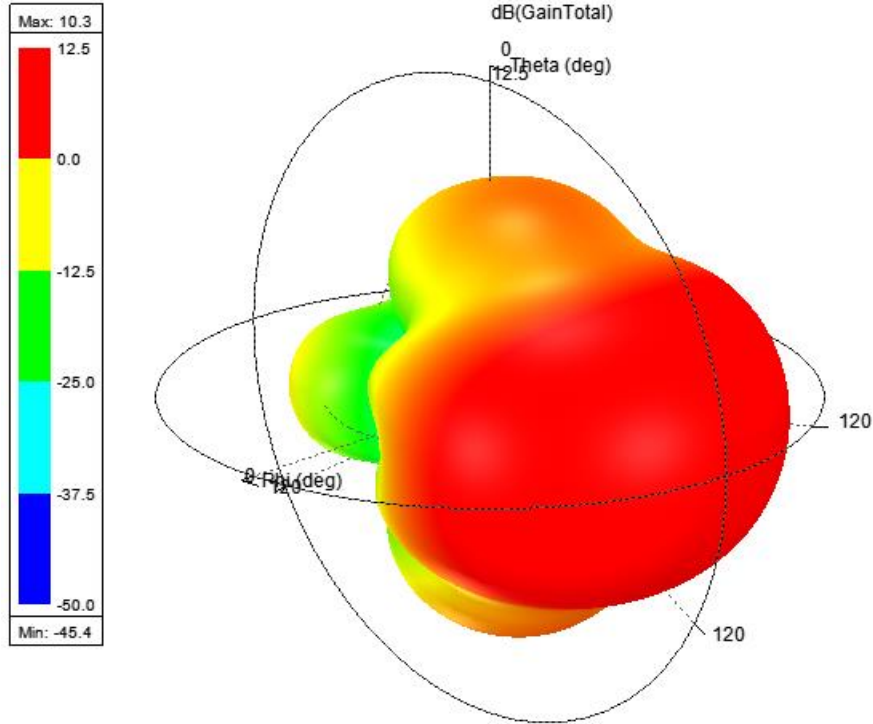
Radiation pattern at 600 MHz



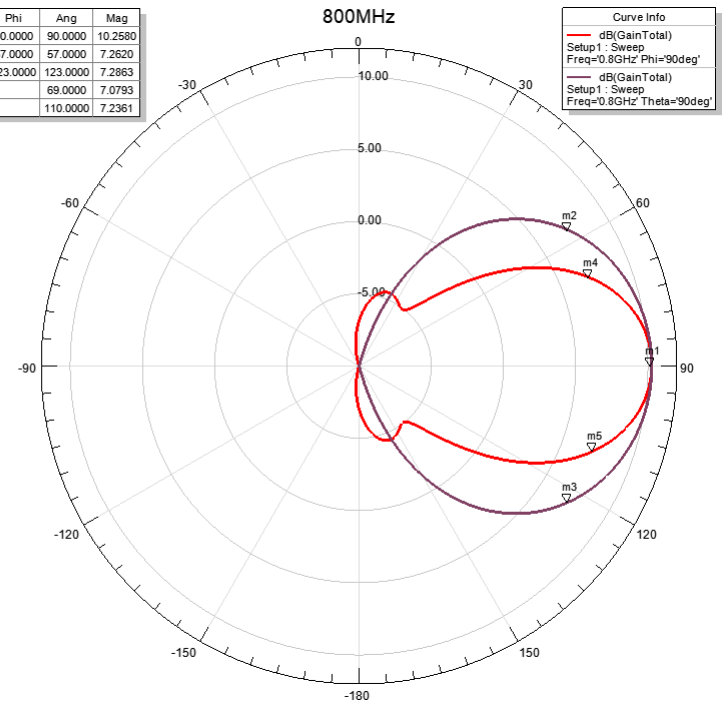
Radiation pattern at 700 MHz



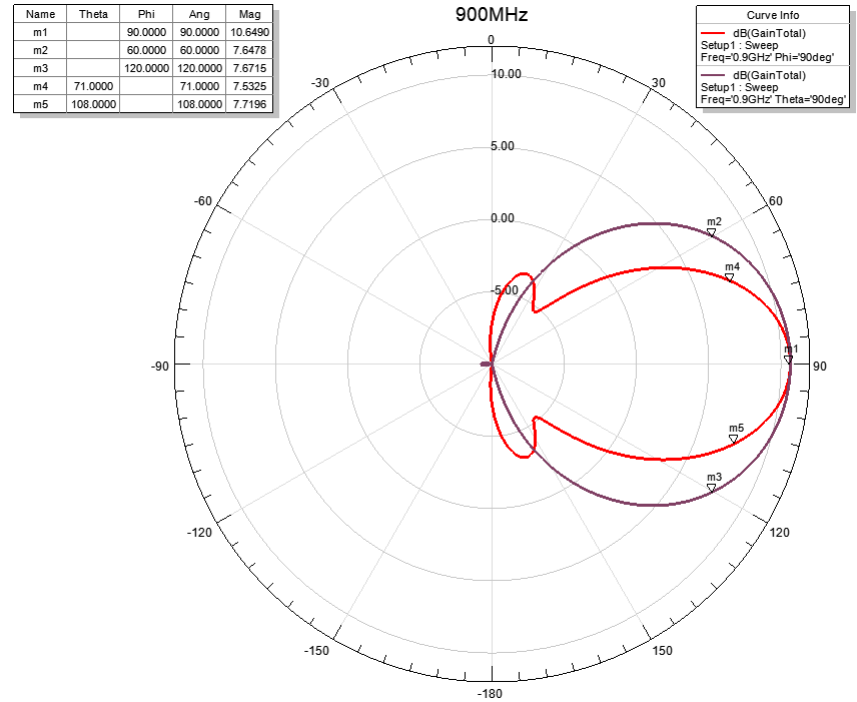
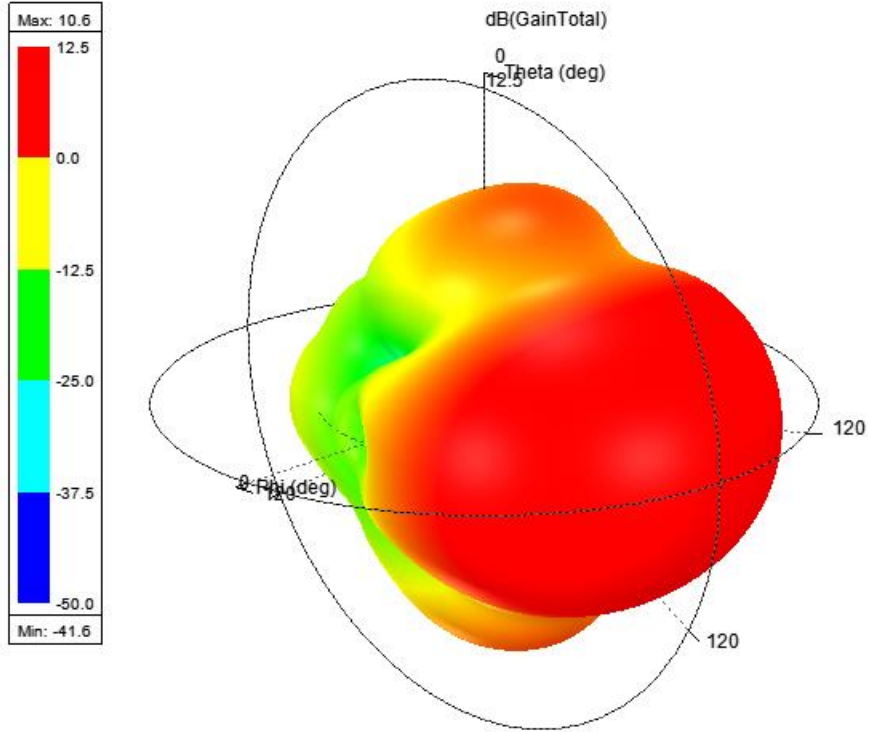
Radiation pattern at 800 MHz



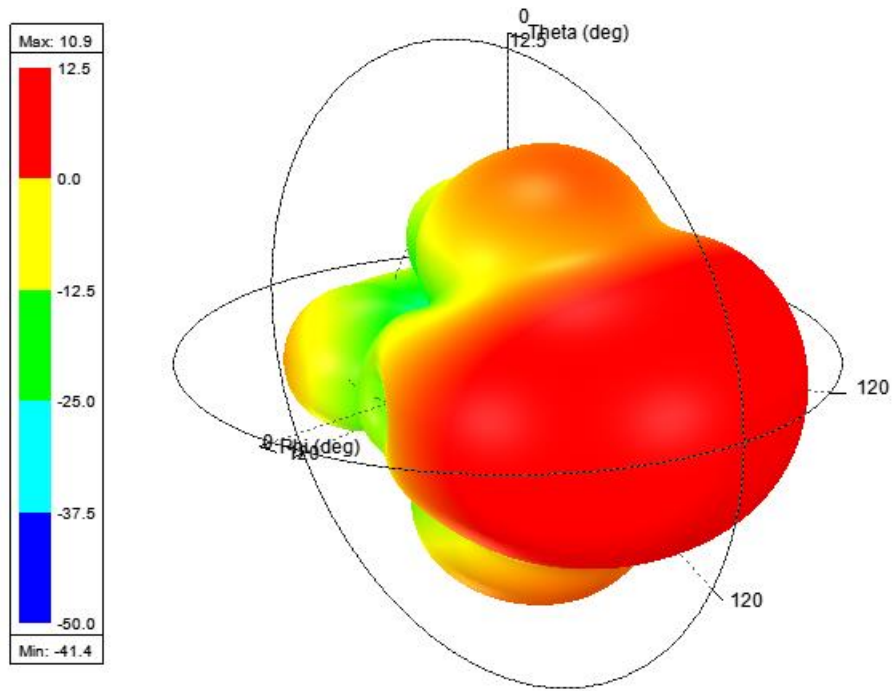
Name	Theta	Phi	Ang	Mag
m1	90.0000	90.0000	10.2580	
m2	57.0000	57.0000	7.2620	
m3	123.0000	123.0000	7.2863	
m4	69.0000	69.0000	7.0793	
m5	110.0000	110.0000	7.2361	



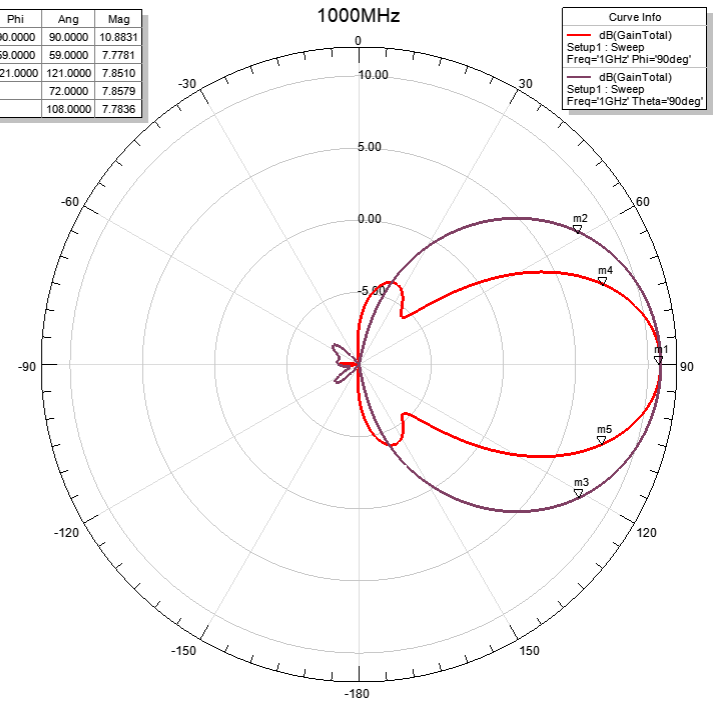
Radiation pattern at 900 MHz



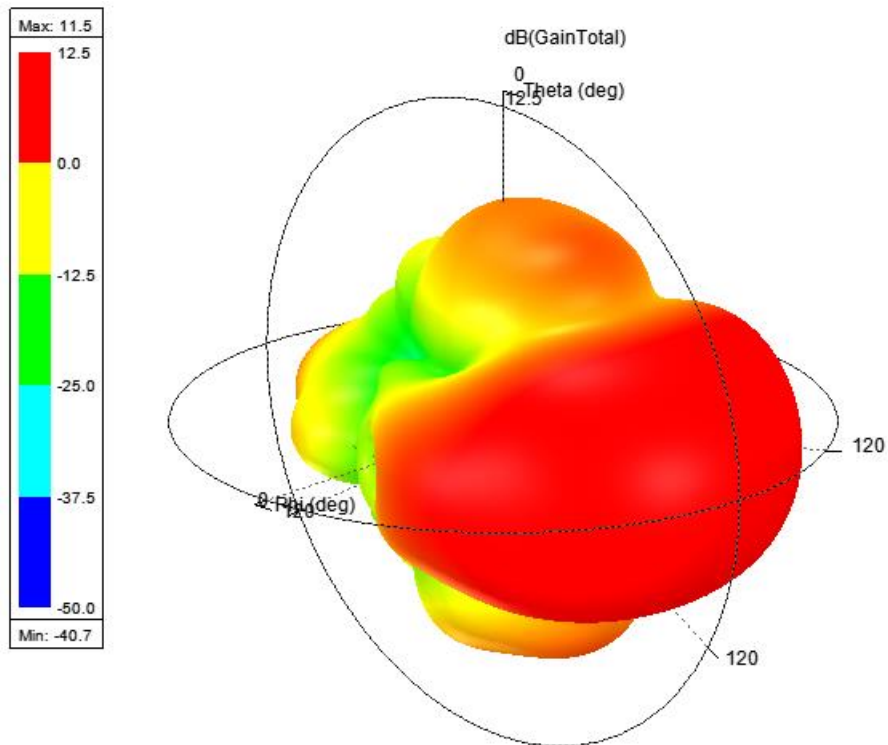
Radiation pattern at 1000 MHz



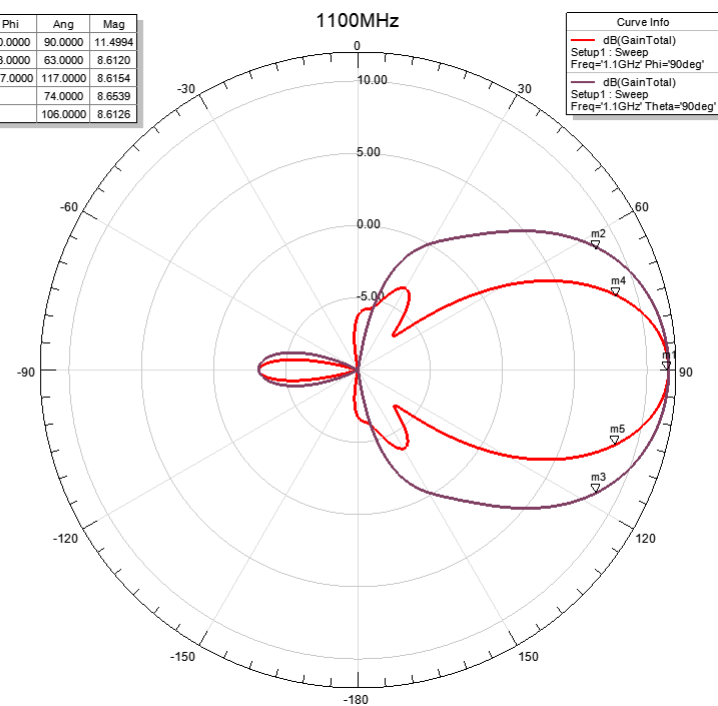
Name	Theta	Phi	Ang	Mag
m1		90.0000	90.0000	10.8831
m2		59.0000	59.0000	7.7761
m3		121.0000	121.0000	7.8510
m4	72.0000		72.0000	7.8579
m5	108.0000		108.0000	7.7836



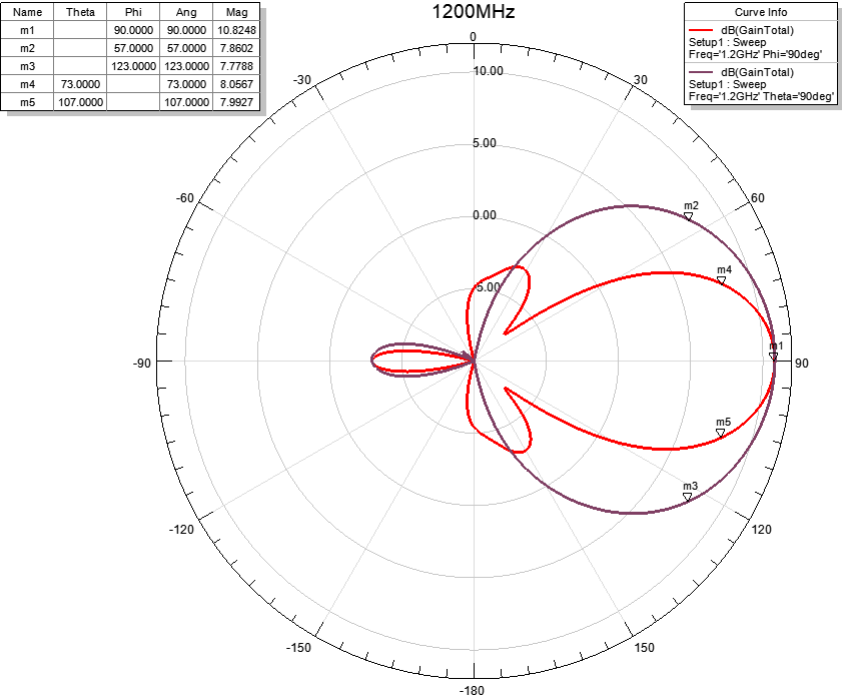
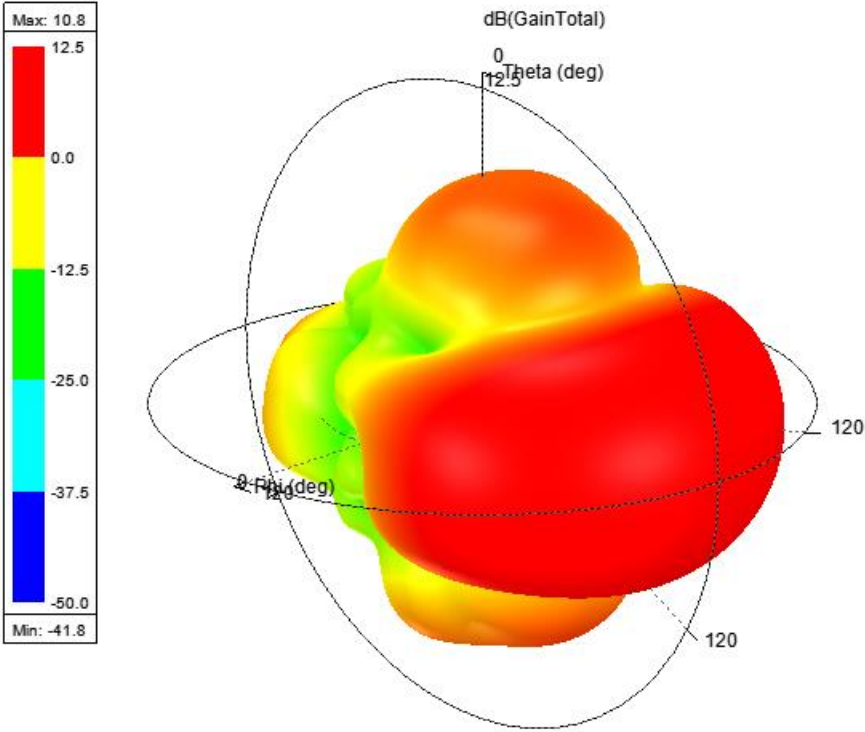
Radiation pattern at 1100 MHz



Name	Theta	Phi	Ang	Mag
m1		90.0000	90.0000	11.4994
m2		63.0000	63.0000	8.6120
m3		117.0000	117.0000	8.6154
m4	74.0000		74.0000	8.6539
m5	106.0000		106.0000	8.6126



Radiation pattern at 1200 MHz



Simulated gain (dB) across frequency

Gain_vs_freq

HFSSDesign1

Name	X	Y
m1	0.3000	1.7600

