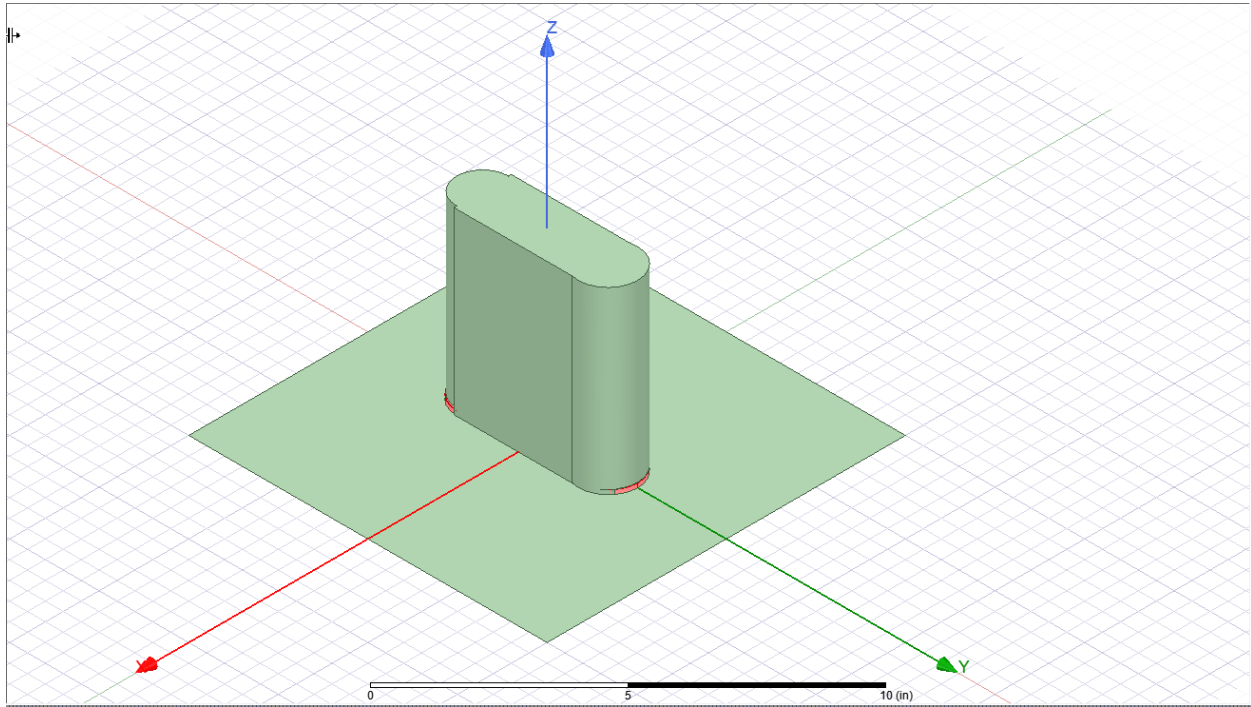


5B-300-1900-XT-X
UHF/L/S-Band Blade Antenna
Communication/General Aviation Application



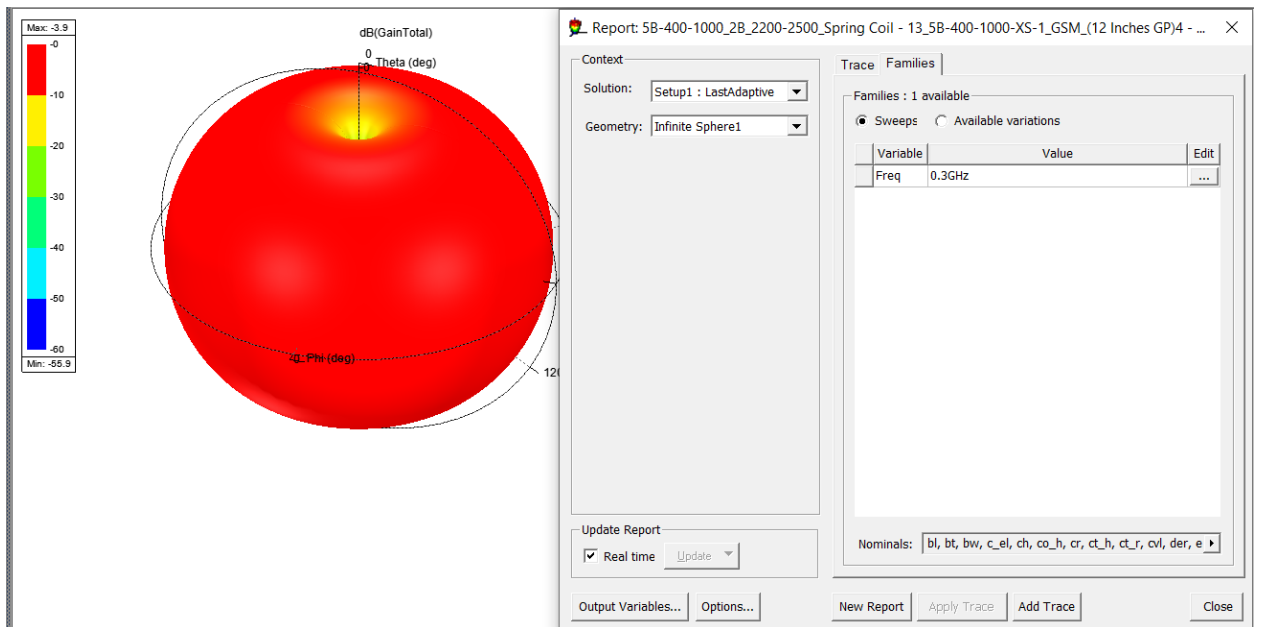
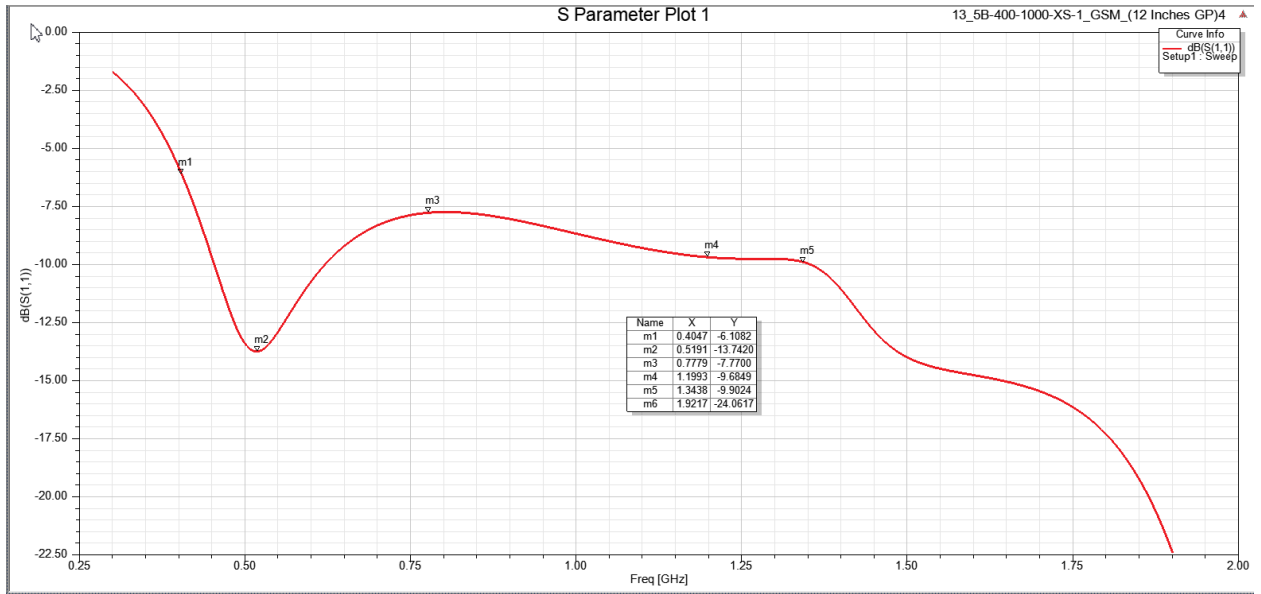
Electrical:

Frequency: 300-1,900 MHz
Radiation Pattern: Omnidirectional
Polarization: Vertical
Output impedance: 50 Ohms

Mechanical:

Size: Width: 1.5inch, Length: 5inch, Height: 5Inch.
Base plate: Aluminum Alloy 6061
Radome: Ultum 1000 (Drawing For Simulation version)
Element: Monopole
Ground plane: 12x 12 inches.

Designed: Victor Dat Do



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context
 Solution: Setup1 : LastAdaptive
 Geometry: Infinite Sphere1

Trace Families Families Display

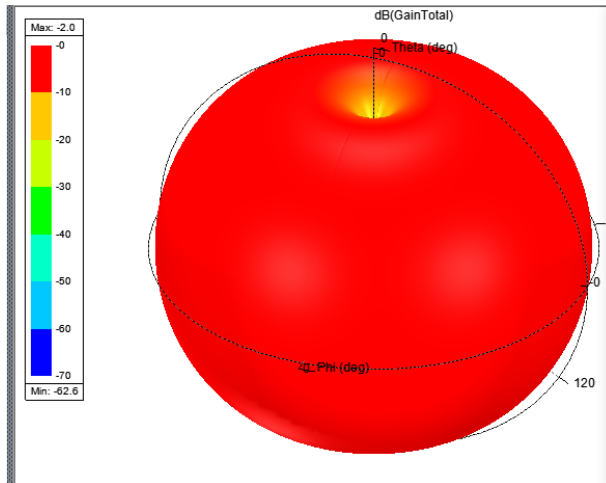
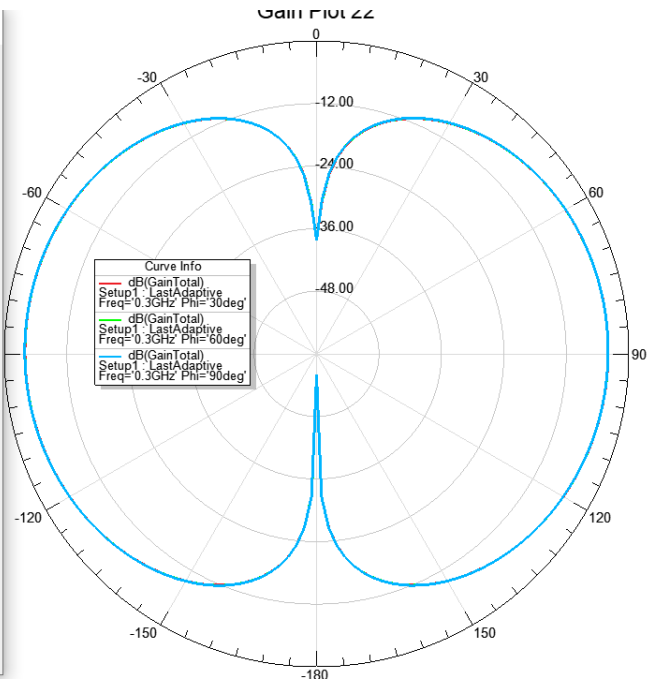
Families: 3 available
 Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	0.3GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |

Update Report
 Real time

Output Variables... Options...



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context
 Solution: Setup1 : LastAdaptive
 Geometry: Infinite Sphere1

Trace Families

Families: 1 available
 Sweeps Available variations

Variable	Value	Edit
Freq	0.4GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |

Update Report
 Real time

Output Variables... Options...

Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context
 Solution: Setup1 : LastAdaptive
 Geometry: Infinite Sphere1

Trace Families Families Display

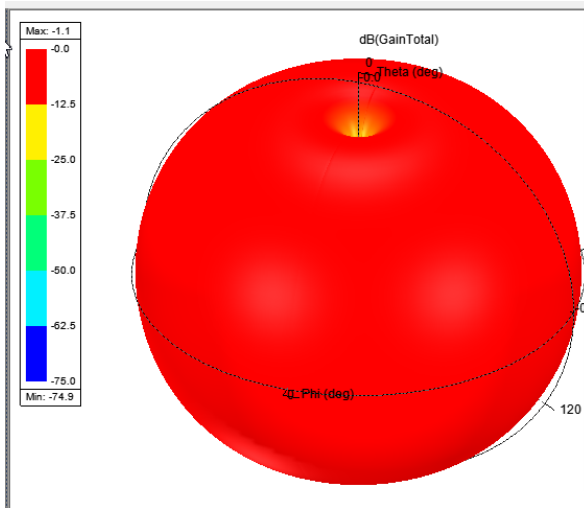
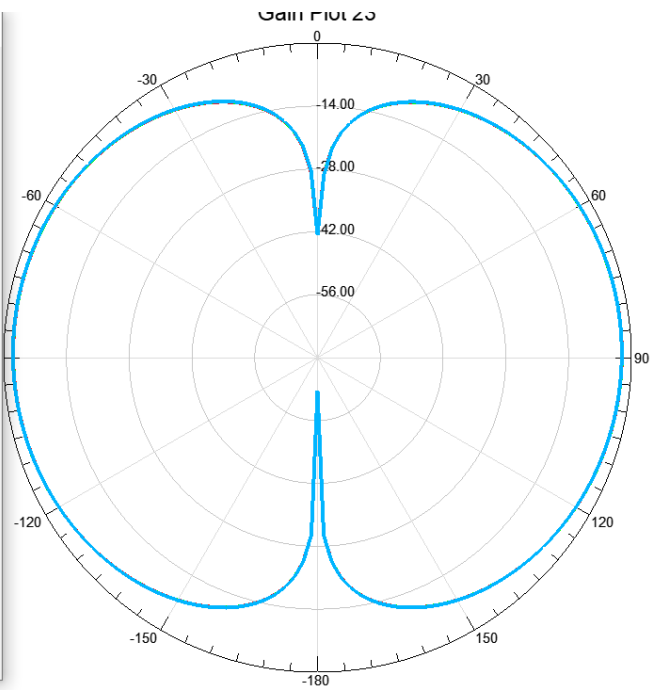
Families : 3 available
 Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	0.4GHz	...

Nominals: bl, bt, bw, c_el, ch, co_h, cr, ct

Update Report
 Real time Update

Output Variables... Options... New Report Apply Trace Add Trace Close



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context
 Solution: Setup1 : LastAdaptive
 Geometry: Infinite Sphere1

Trace Families

Families : 1 available
 Sweeps Available variations

Variable	Value	Edit
Freq	0.47GHz	...

Nominals: bl, bt, bw, c_el, ch, co_h, cr, ct

Update Report
 Real time Update

Output Variables... Options... New Report Apply Trace Add Trace Close

Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1...

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Trace Families Families Display

Families : 3 available

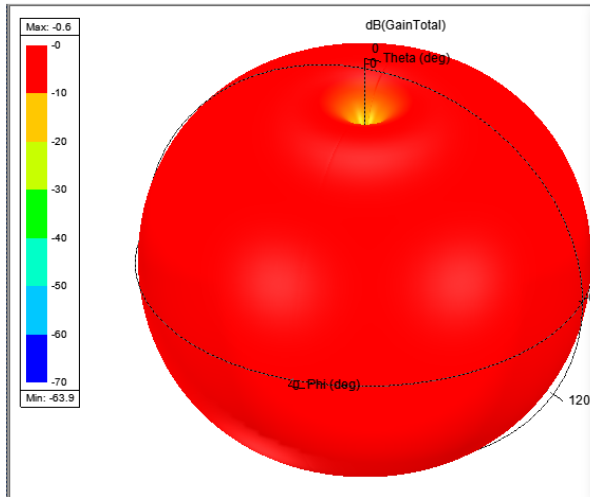
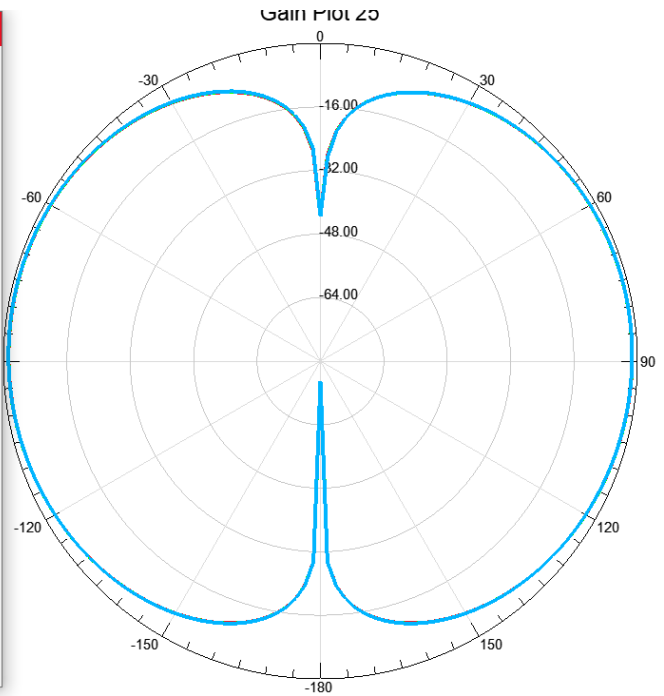
Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	0.47GHz	...

Nominals: bl, bt, bw, c_el, ch, co_h, cr, ct

Update Report

Real time



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1...

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Trace Families

Families : 1 available

Sweeps Available variations

Variable	Value	Edit
Freq	0.512GHz	...

Nominals: bl, bt, bw, c_el, ch, co_h, cr, ct

Update Report

Real time

Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Update Report

Real time

Output Variables... Options...

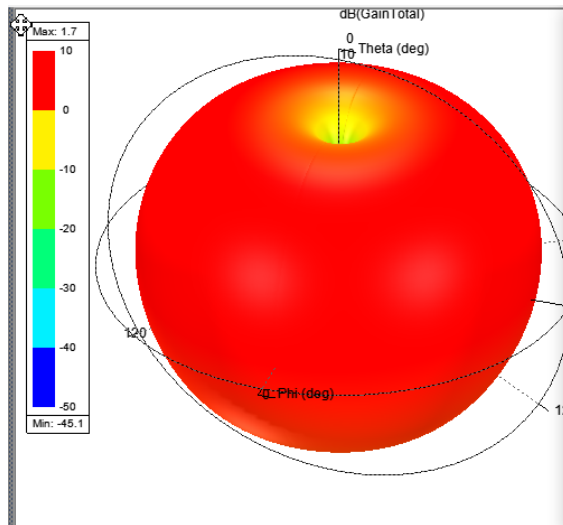
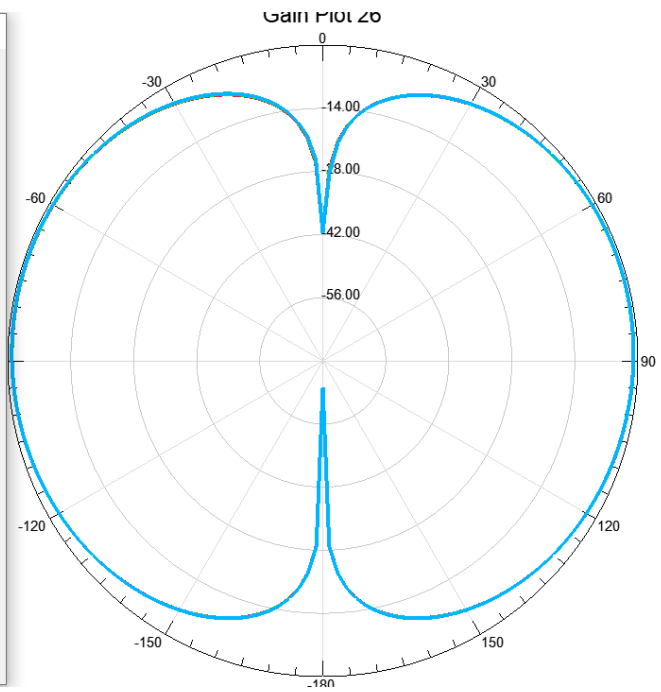
Trace Families Families Display

Families : 3 available

Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	0.512GHz	...

Nominals: | bl, bt, bw, c_el, ch, co_h, cr, ct |



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Update Report

Real time

Output Variables... Options...

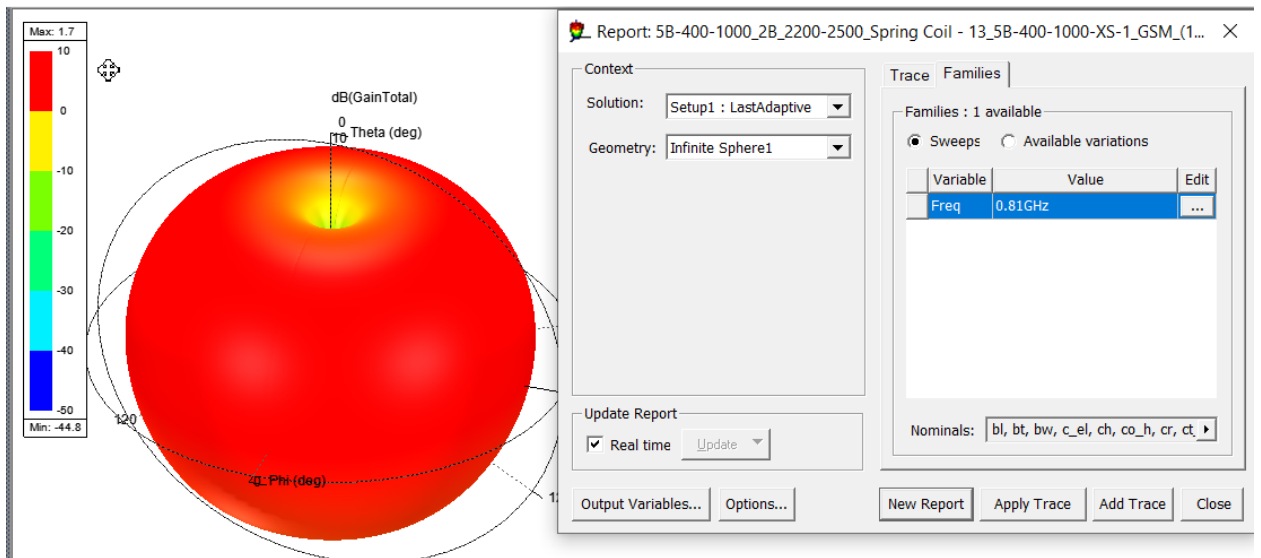
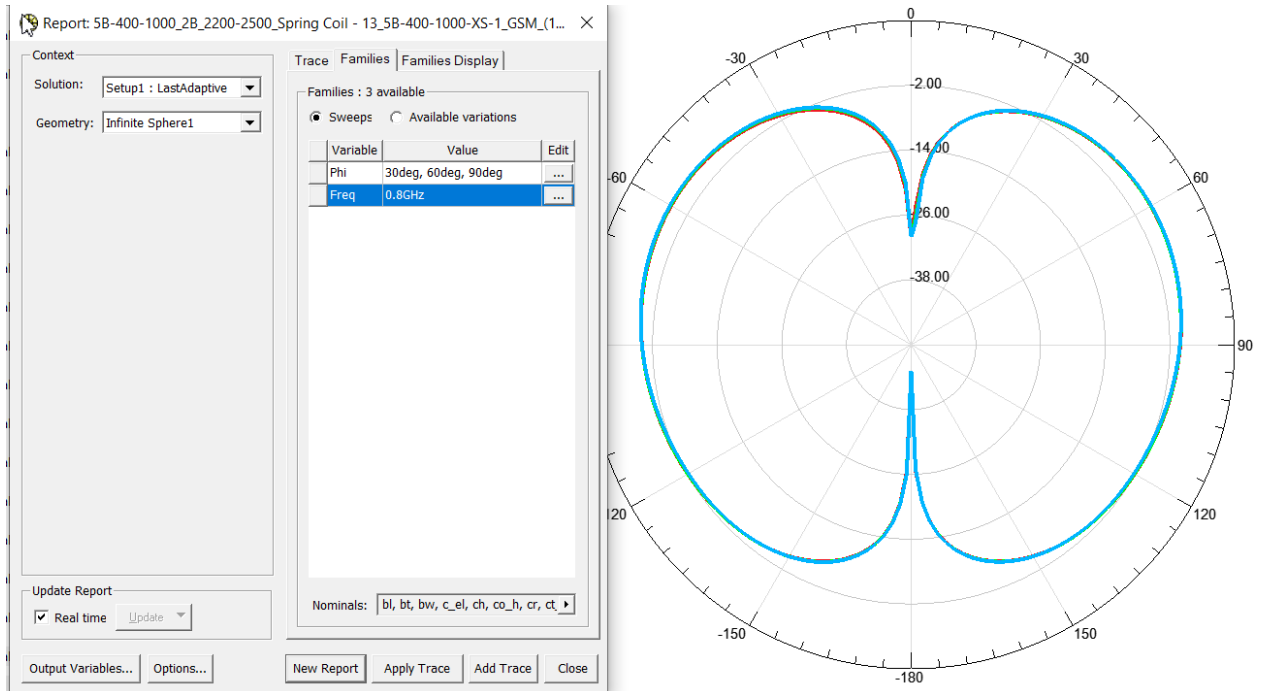
Trace Families

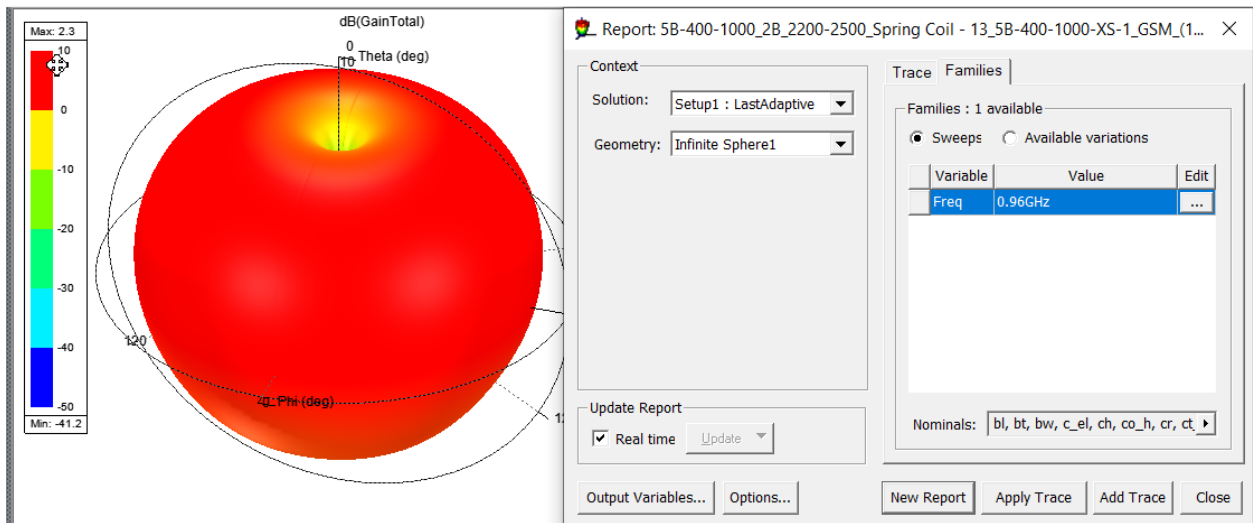
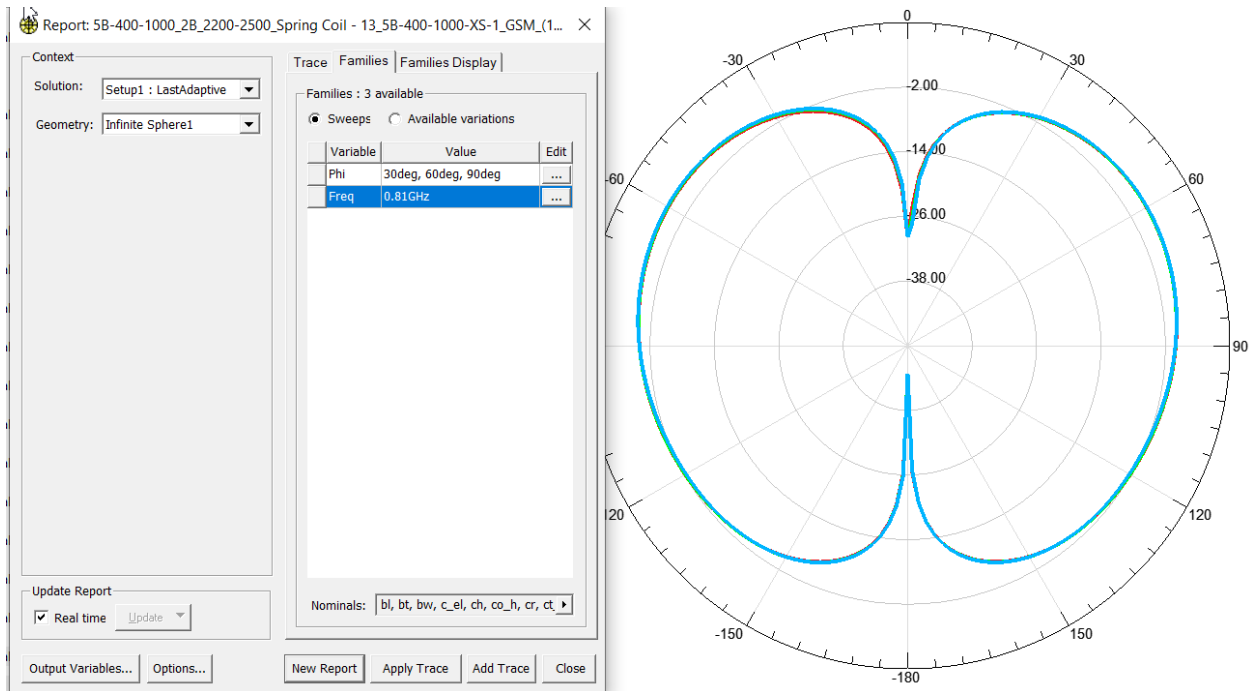
Families : 1 available

Sweeps Available variations

Variable	Value	Edit
Freq	0.8GHz	...

Nominals: | bl, bt, bw, c_el, ch, co_h, cr, ct |





Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context
 Solution: Setup1 : LastAdaptive
 Geometry: Infinite Sphere1

Trace Families Families Display

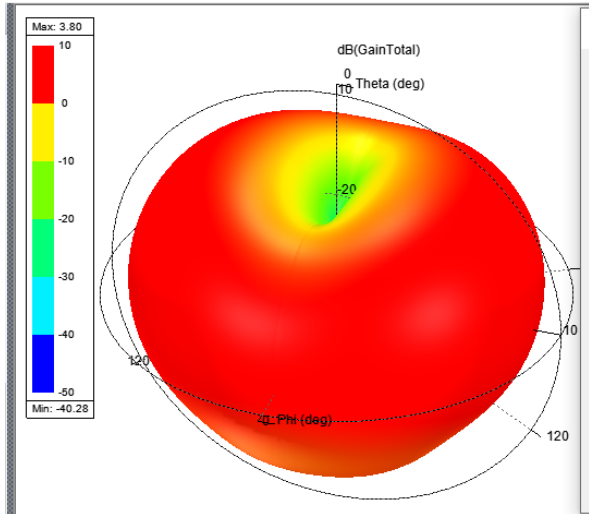
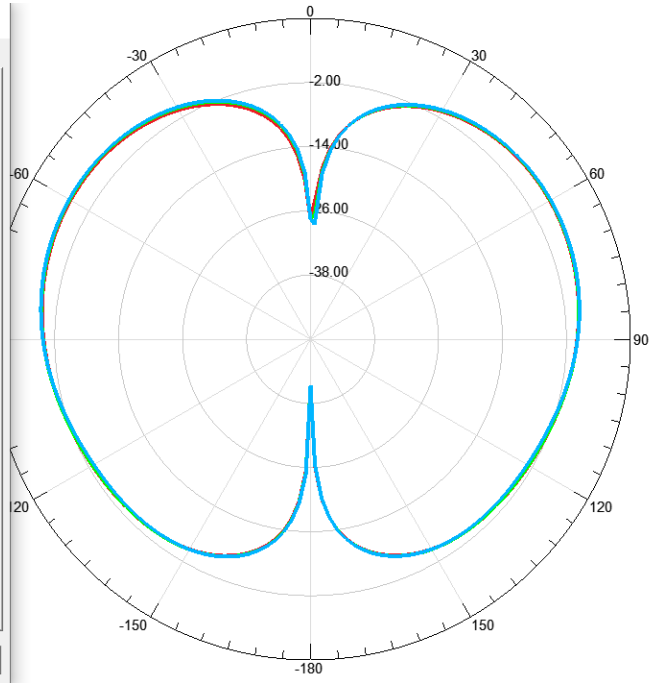
Families : 3 available
 Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	0.96GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |

Update Report
 Real time Update

Output Variables... Options... New Report Apply Trace Add Trace Close



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context
 Solution: Setup1 : LastAdaptive
 Geometry: Infinite Sphere1

Trace Families

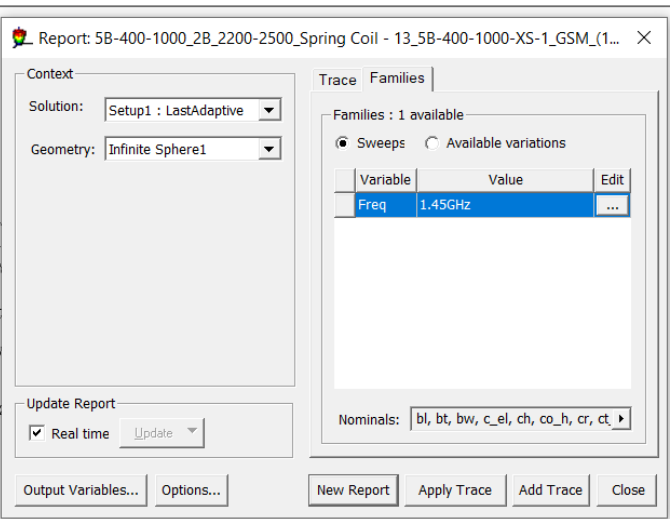
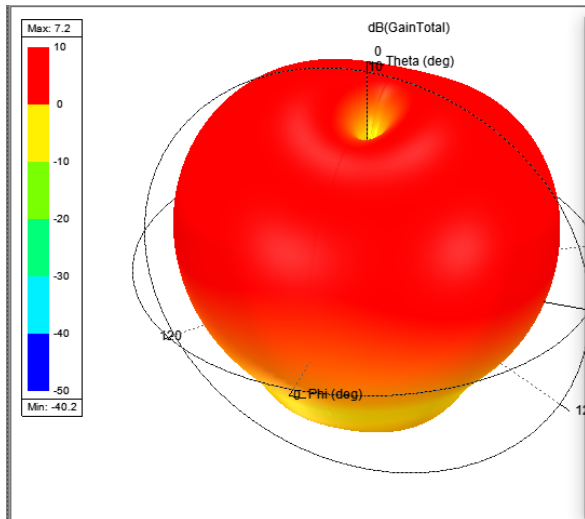
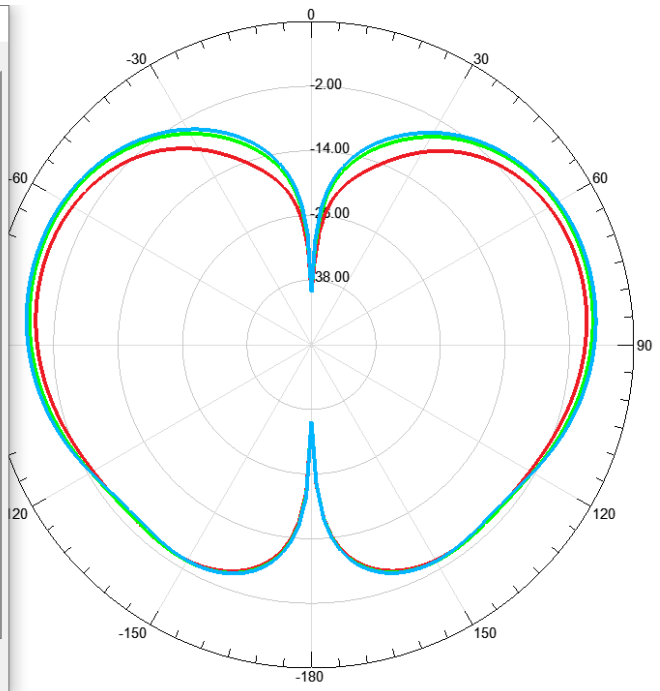
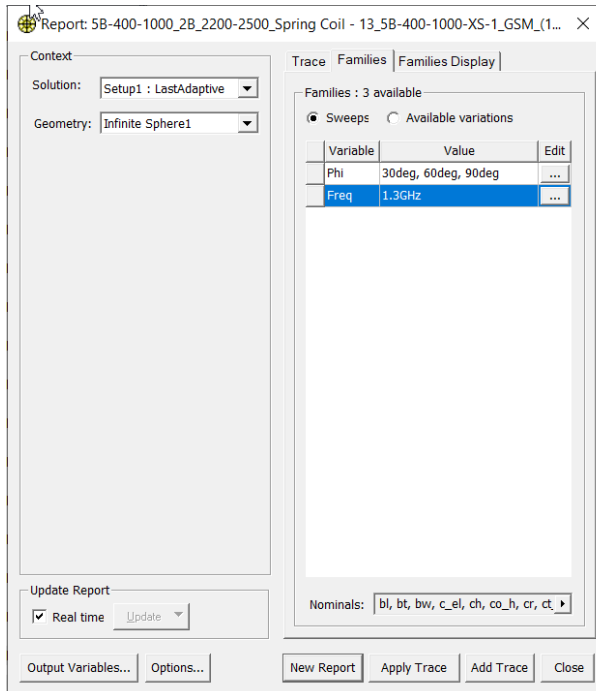
Families : 1 available
 Sweeps Available variations

Variable	Value	Edit
Freq	1.3GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |

Update Report
 Real time Update

Output Variables... Options... New Report Apply Trace Add Trace Close



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Update Report

Real time

Output Variables... Options...

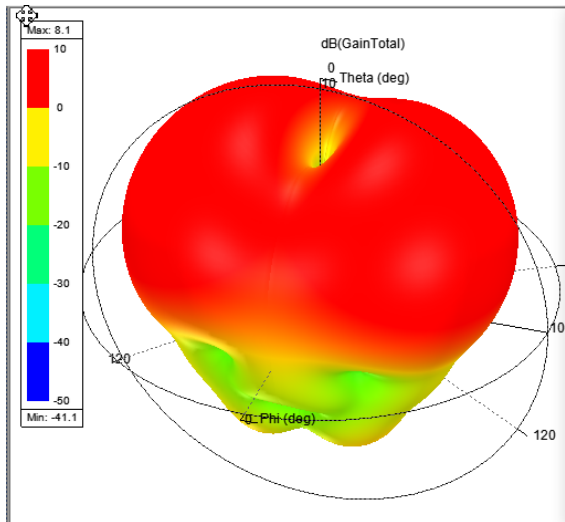
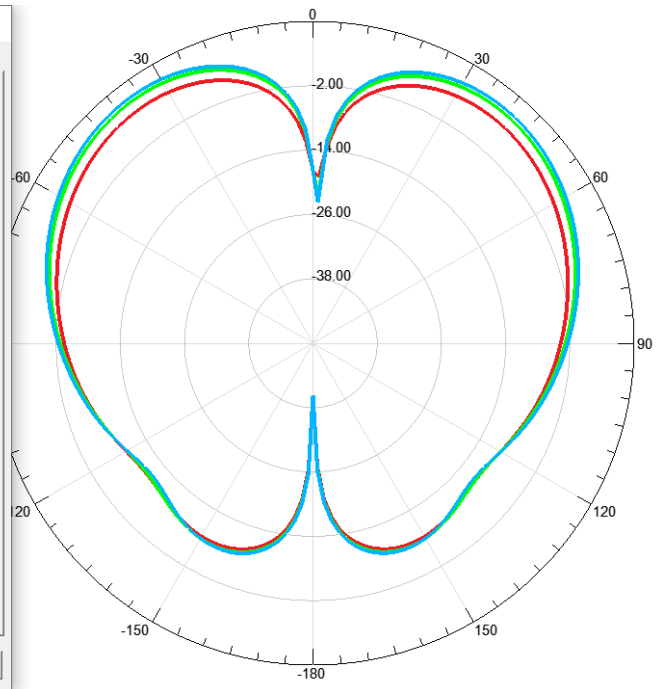
Trace Families Families Display

Families : 3 available

Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	1.45GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Update Report

Real time

Output Variables... Options...

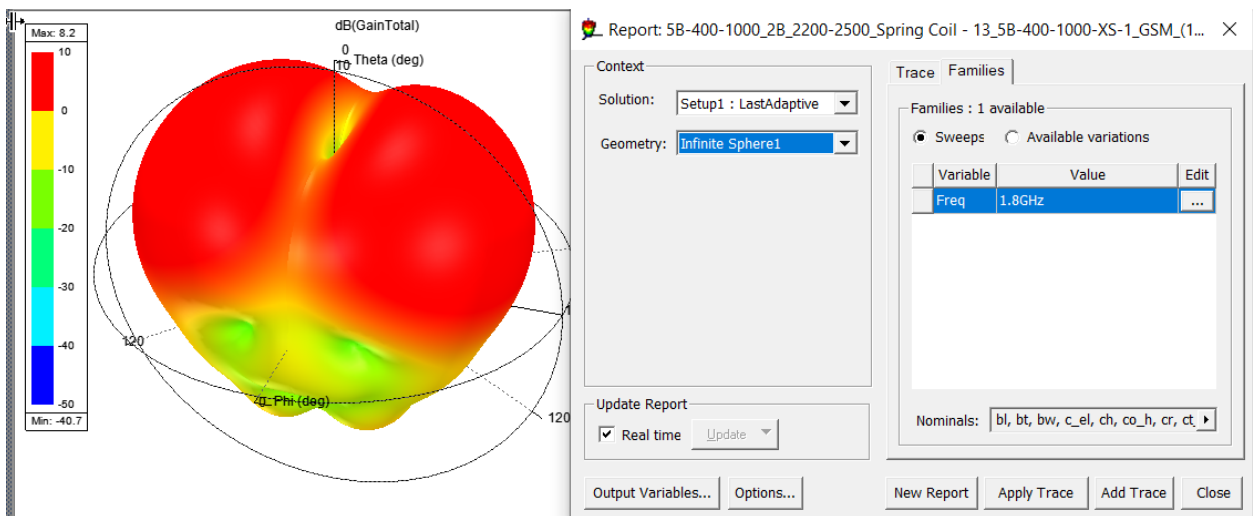
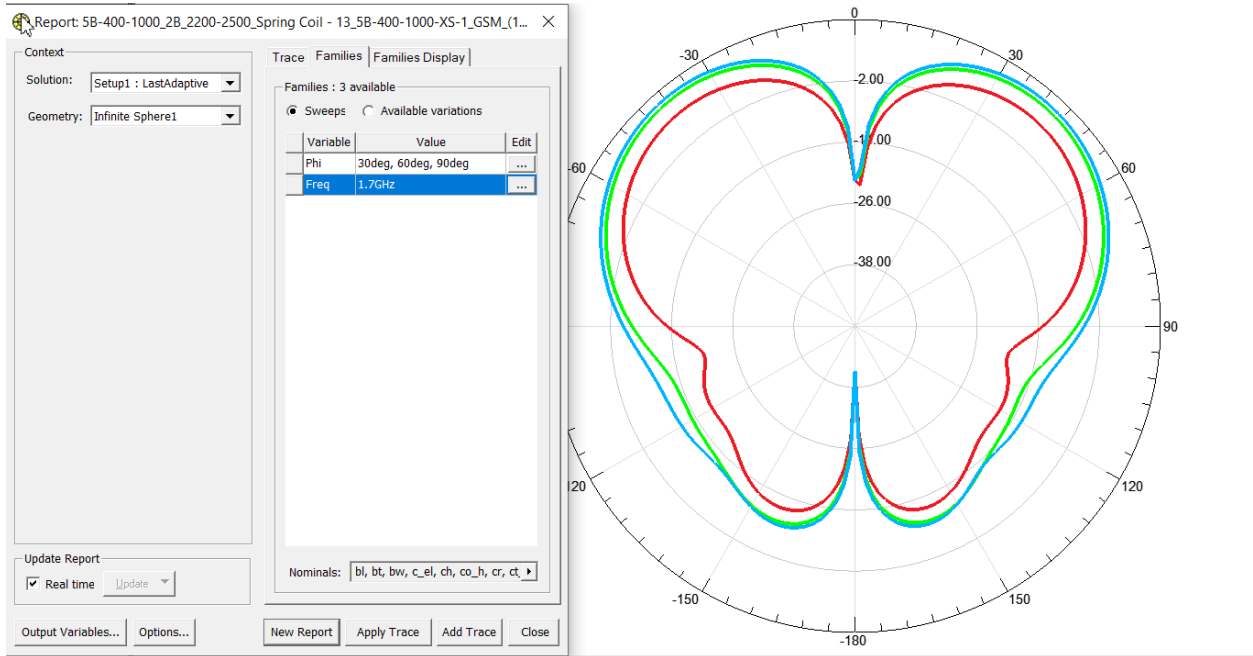
Trace Families

Families : 1 available

Sweeps Available variations

Variable	Value	Edit
Freq	1.7GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Update Report

Real time

Output Variables... Options...

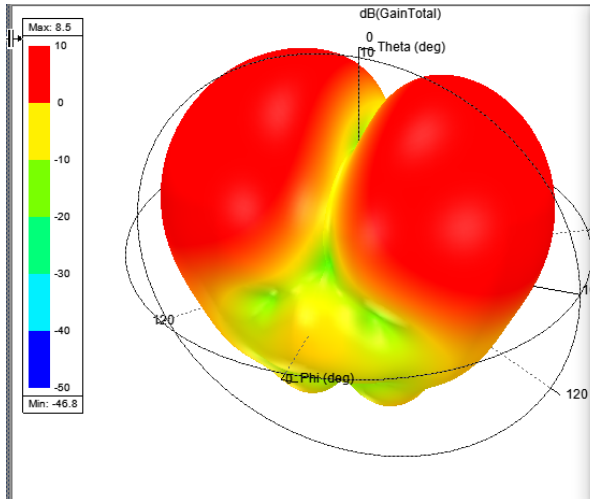
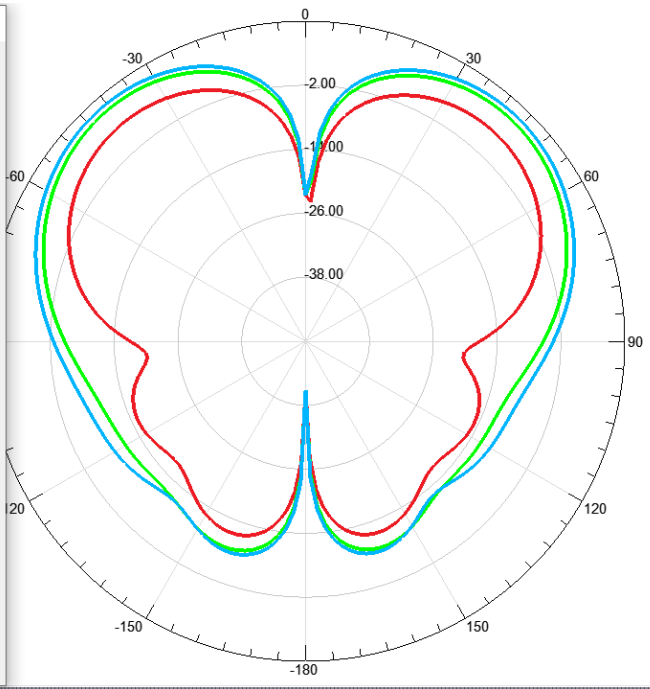
Trace Families Families Display

Families : 3 available

Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	1.8GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |



Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1... X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Update Report

Real time

Output Variables... Options...

Trace Families

Families : 1 available

Sweeps Available variations

Variable	Value	Edit
Freq	1.9GHz	...

Nominals: |bl, bt, bw, c_el, ch, co_h, cr, ct |

Report: 5B-400-1000_2B_2200-2500_Spring Coil - 13_5B-400-1000-XS-1_GSM_(1.. X

Context

Solution: Setup1 : LastAdaptive

Geometry: Infinite Sphere1

Trace Families Families Display

Families : 3 available

Sweeps Available variations

Variable	Value	Edit
Phi	30deg, 60deg, 90deg	...
Freq	1.9GHz	...

Nominals: bl, bt, bw, c_el, ch, co_h, cr, ct

Update Report

Real time Update

Output Variables... Options...

New Report Apply Trace Add Trace Close

