# **ANSYS** HFSSDesign1

## Table of Contents

# Design Summary

### Design Details

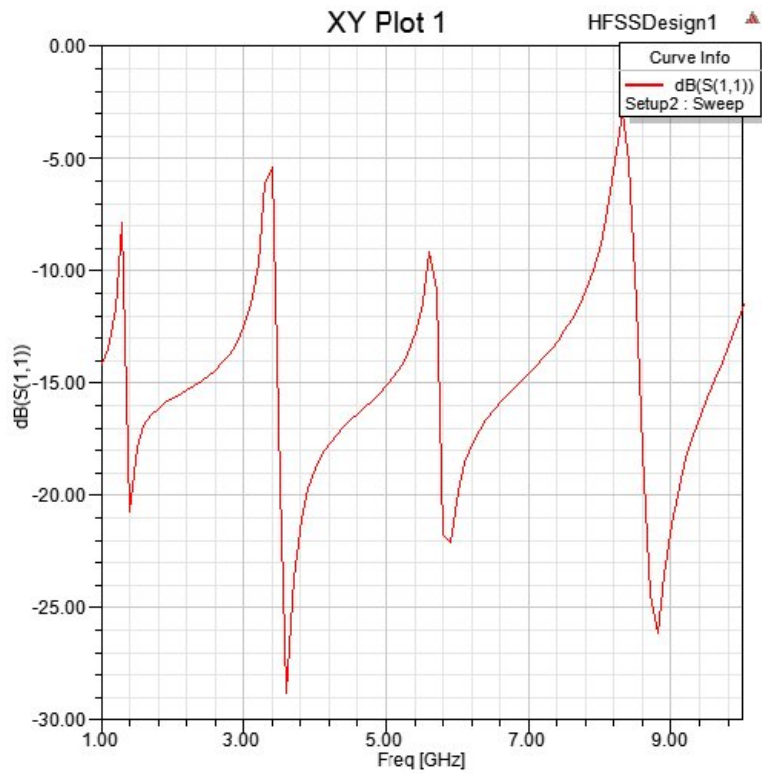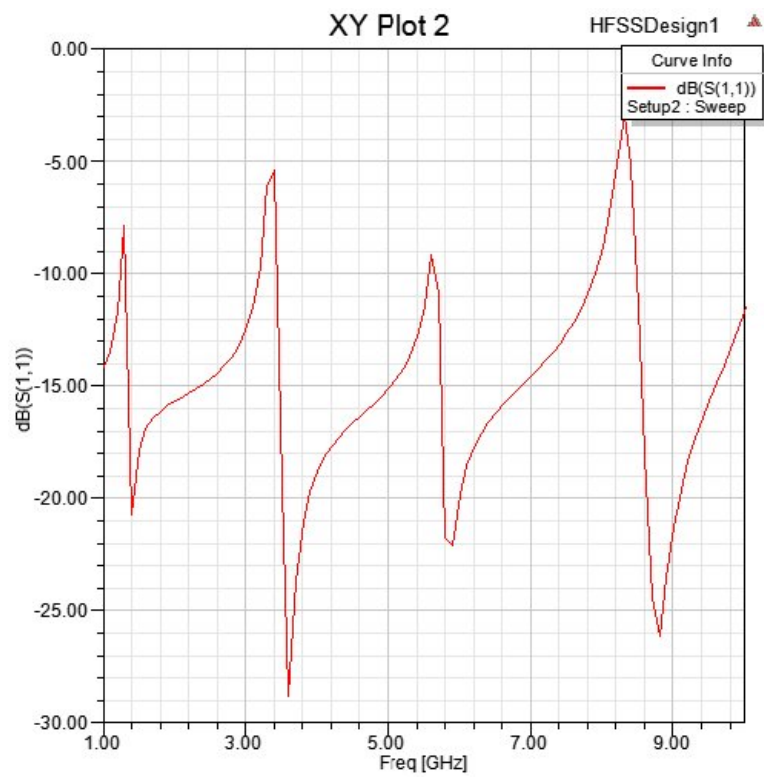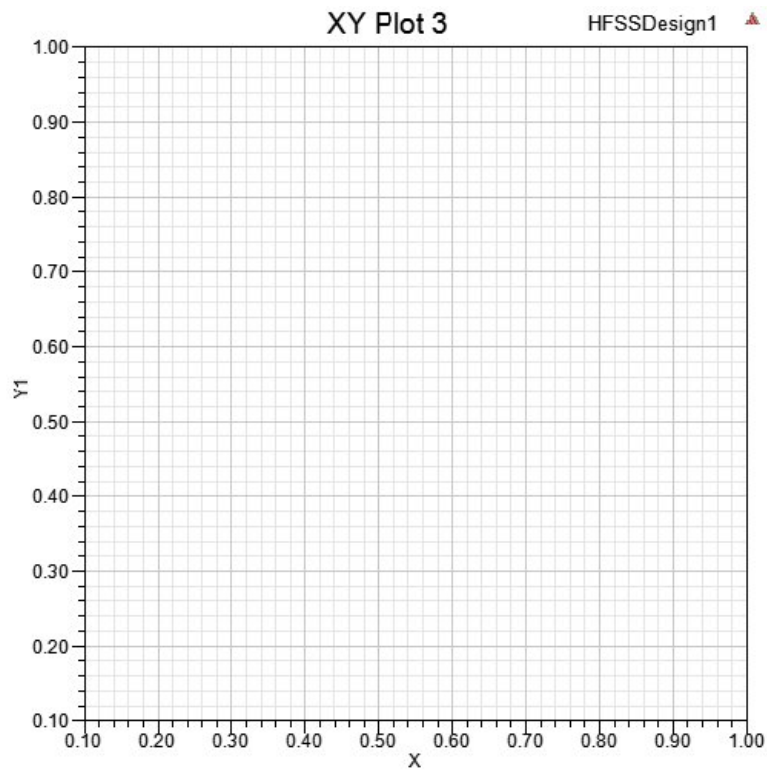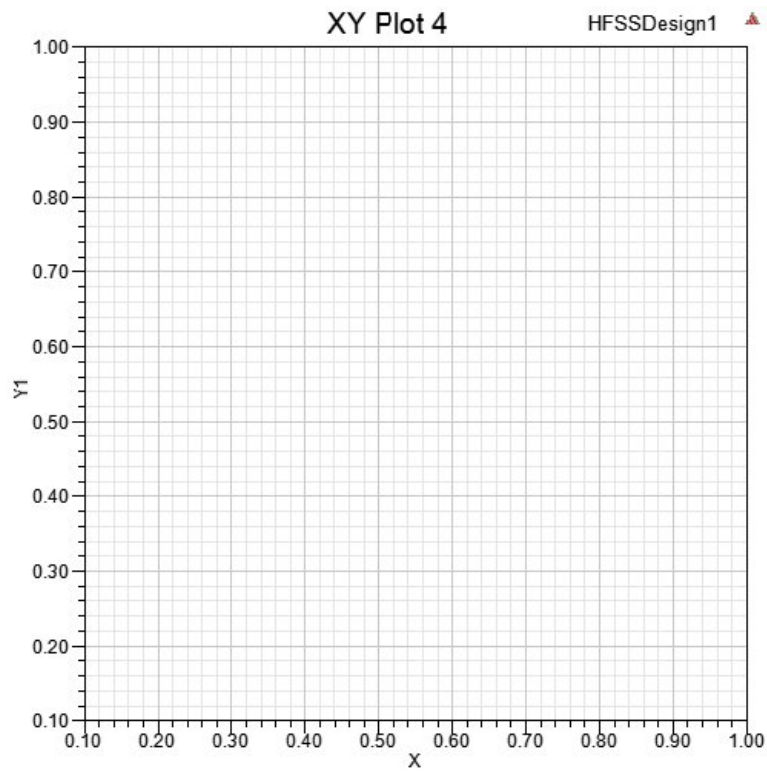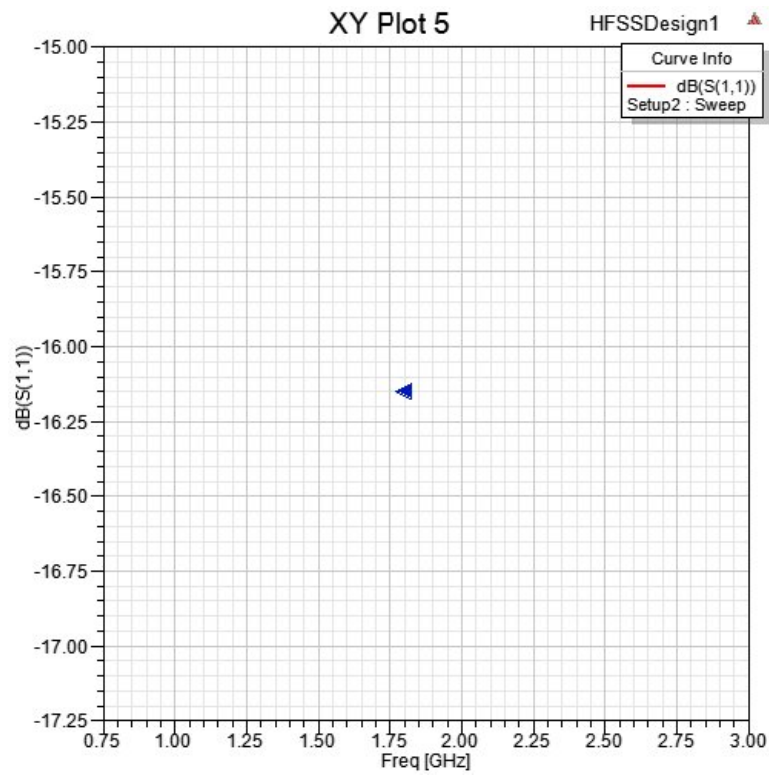| Description | |
|---|---|
| Project | integrated_drivenmodel_1_GSM_01 |
| Design | HFSSDesign1 |
| Solution Type | DrivenModal |
| Location | C:/Users/ECE Standard Account/Documents/ Ansoft/ |
| Date | 05-12-2016 11:41:19 |
| Product Version | HFSS 15.0.0 |
| UDD Version | Design Summary, 1.0 (R14.5) |
| User | ECE Standard Account |

# Model

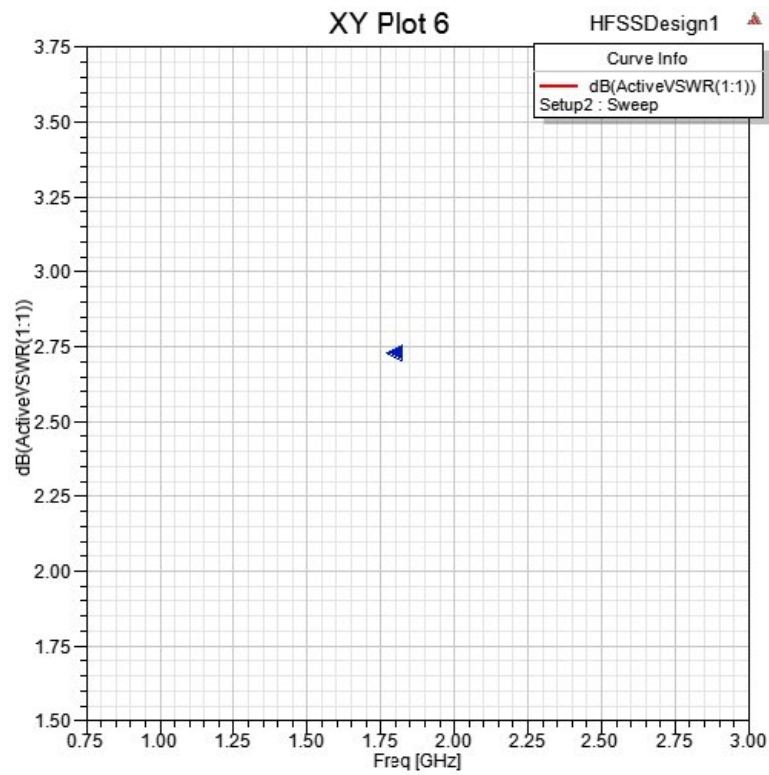**HFSSDesign1**
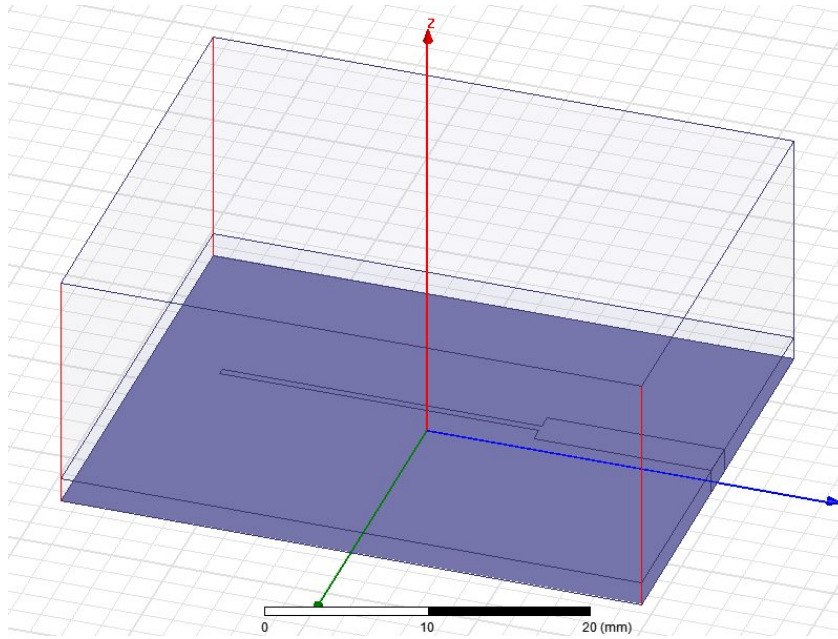
# Results

**XY Plot 1**

**XY Plot 2**

**XY Plot 3**

**XY Plot 4**

**XY Plot 5**
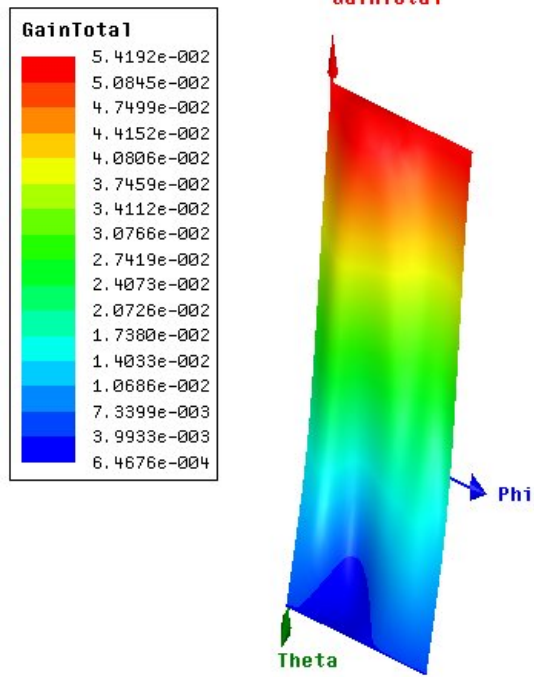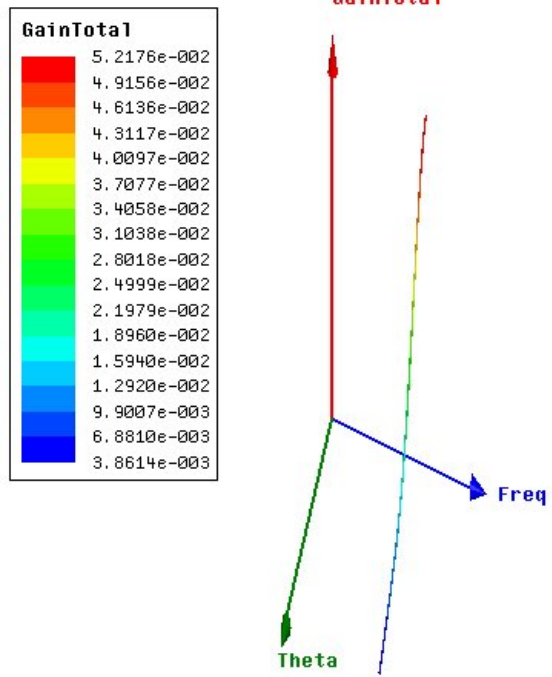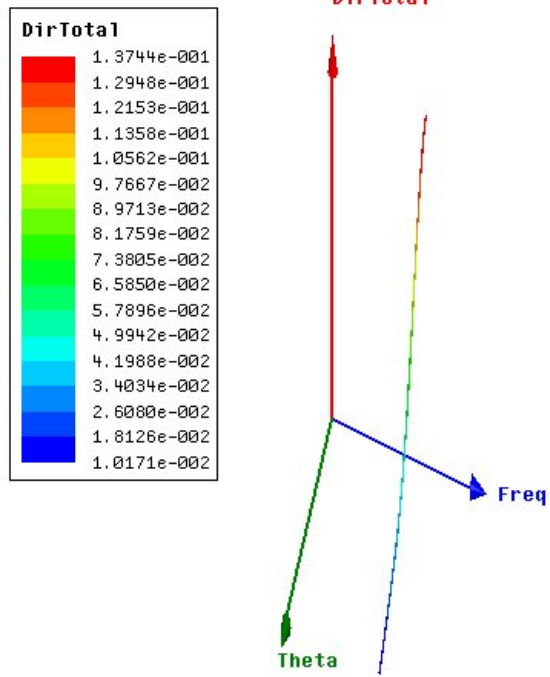
## XY Plot 6

### 3D Rectangular Plot 1

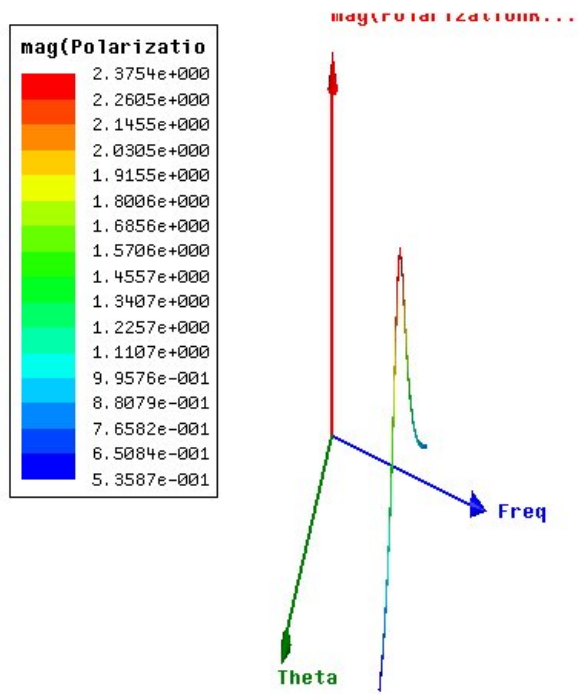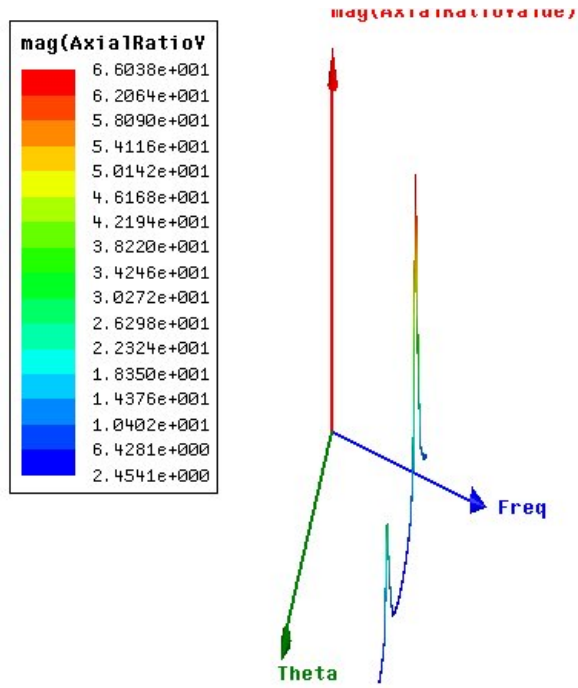### 3D Rectangular Plot 2

## 3D Rectangular Plot 3

## 3D Rectangular Plot 4



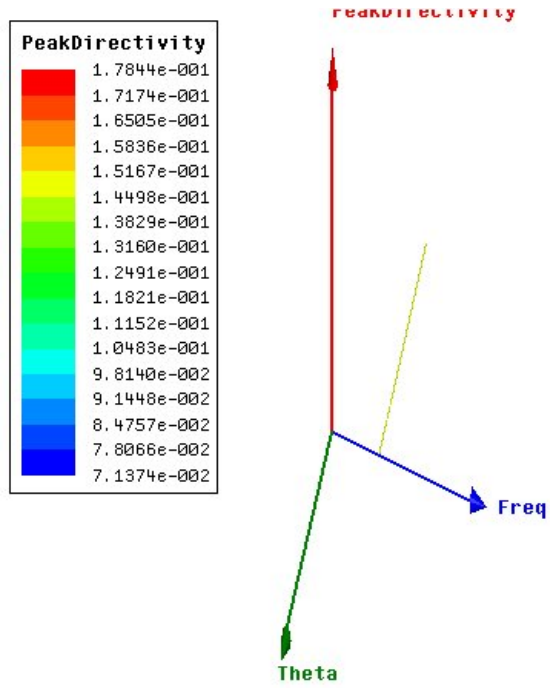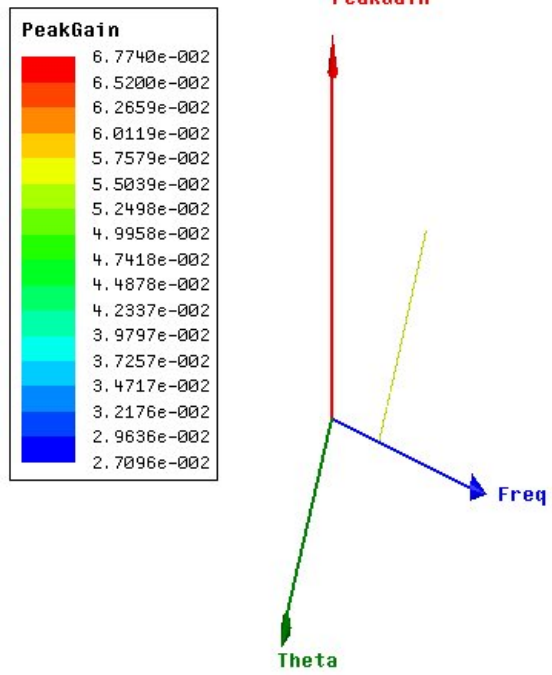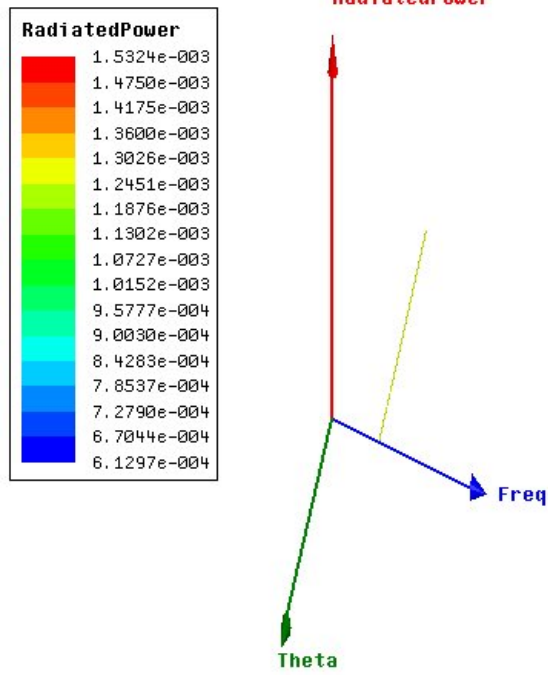| mag(Polarizatio |
|---|
| 2.3754e+000 |
| 2.2605e+000 |
| 2.1455e+000 |
| 2.0305e+000 |
| 1.9155e+000 |
| 1.8006e+000 |
| 1.6856e+000 |
| 1.5706e+000 |
| 1.4557e+000 |
| 1.3407e+000 |
| 1.2257e+000 |
| 1.1107e+000 |
| 9.9576e-001 |
| 8.8079e-001 |
| 7.6582e-001 |
| 6.5084e-001 |
| 5.3587e-001 |

## 3D Rectangular Plot 5

### 3D Rectangular Plot 6

PeakDirectivity

| PeakDirectivity |
|---|
| 1.7844e-001 |
| 1.7174e-001 |
| 1.6505e-001 |
| 1.5836e-001 |
| 1.5167e-001 |
| 1.4498e-001 |
| 1.3829e-001 |
| 1.3160e-001 |
| 1.2491e-001 |
| 1.1821e-001 |
| 1.1152e-001 |
| 1.0483e-001 |
| 9.8140e-002 |
| 9.1448e-002 |
| 8.4757e-002 |
| 7.8066e-002 |
| 7.1374e-002 |

Freq

Theta

## 3D Rectangular Plot 7

PeakGain

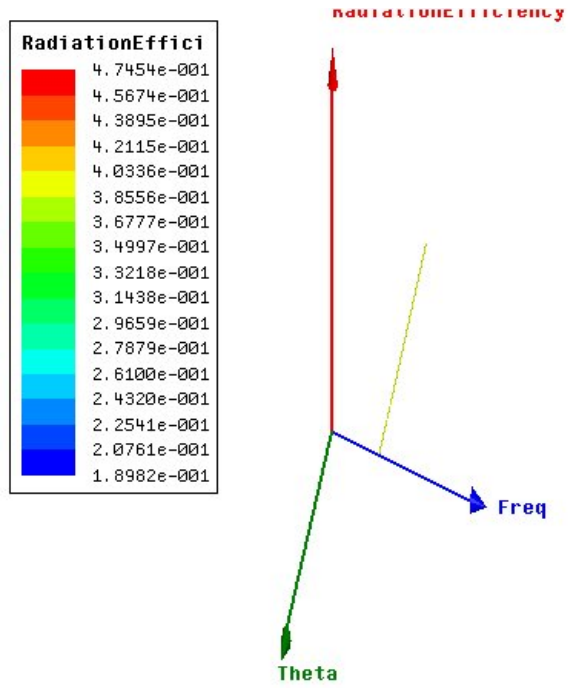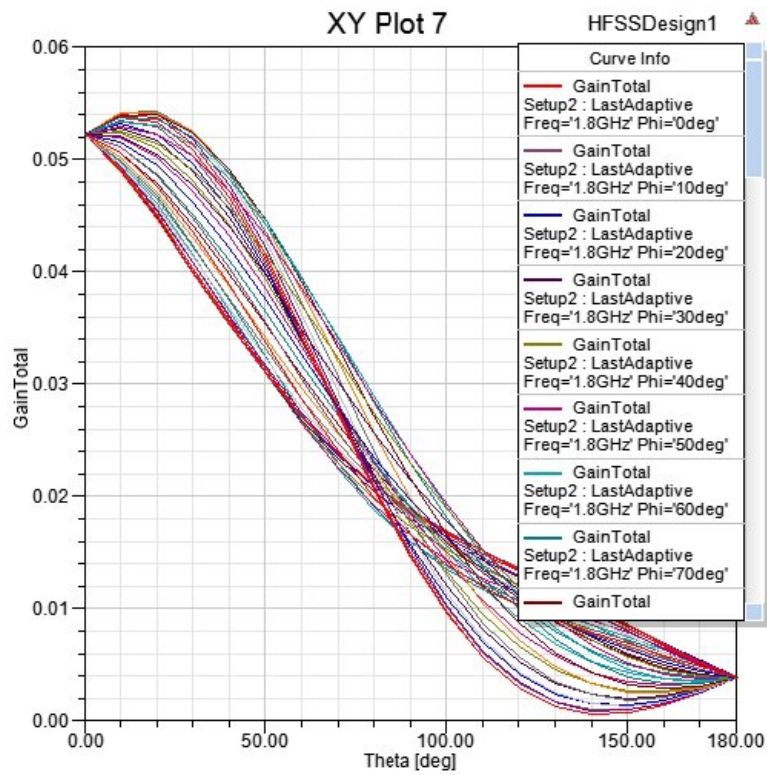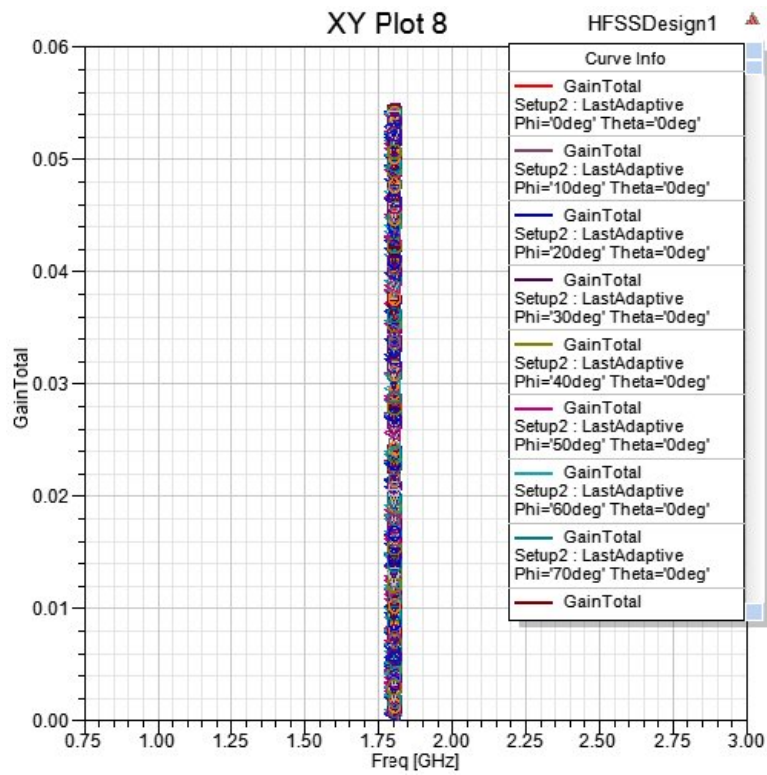| PeakGain |
|---|
| 6.7740e-002 |
| 6.5200e-002 |
| 6.2659e-002 |
| 6.0119e-002 |
| 5.7579e-002 |
| 5.5039e-002 |
| 5.2498e-002 |
| 4.9958e-002 |
| 4.7418e-002 |
| 4.4878e-002 |
| 4.2337e-002 |
| 3.9797e-002 |
| 3.7257e-002 |
| 3.4717e-002 |
| 3.2176e-002 |
| 2.9636e-002 |
| 2.7096e-002 |

Freq

Theta

### 3D Rectangular Plot 8

### 3D Rectangular Plot 9
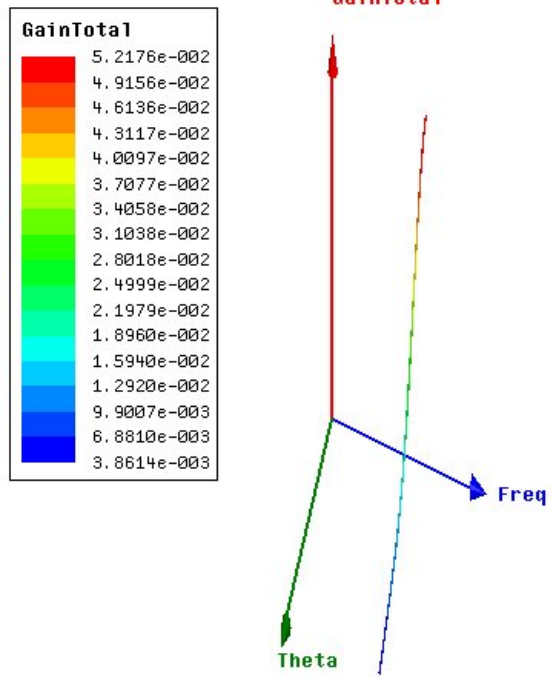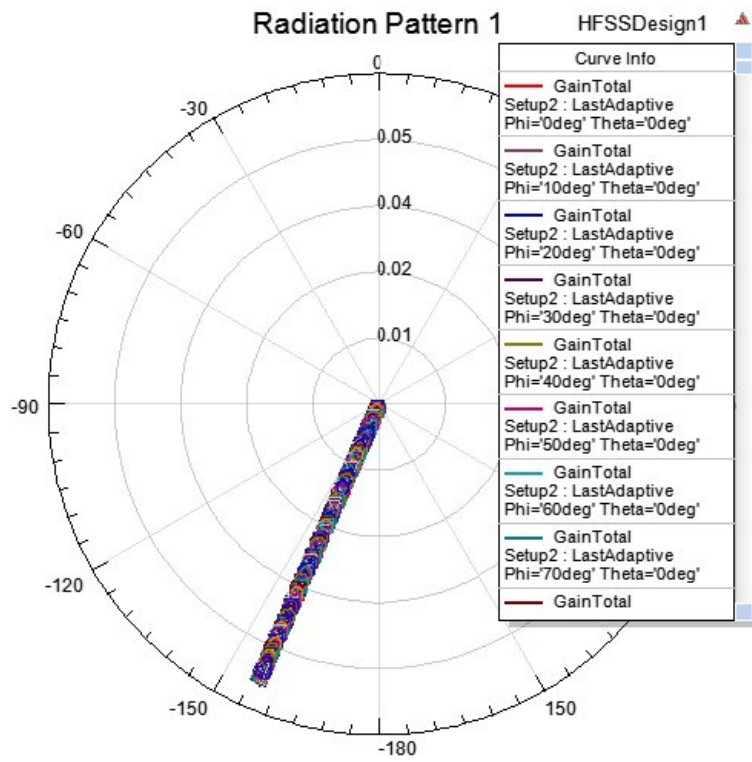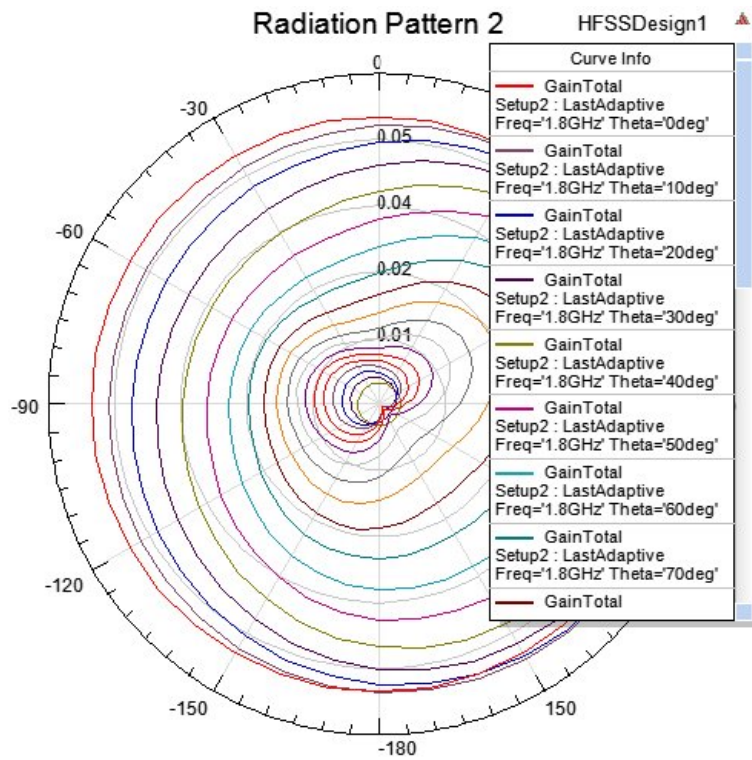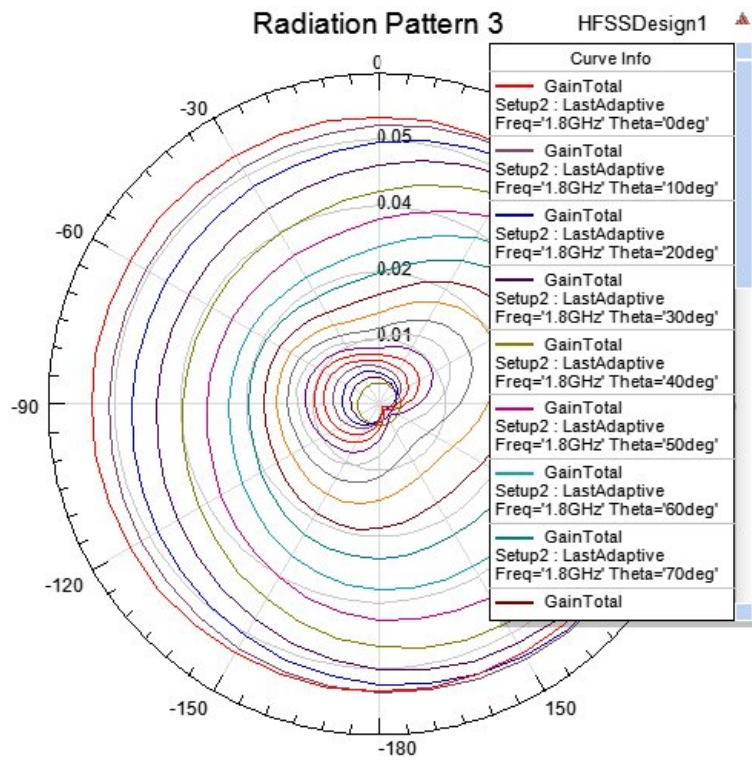
**XY Plot 7**

## XY Plot 8

## 3D Rectangular Plot 10

**Radiation Pattern 1**



Radiation Pattern 1 — HFSSDesign1

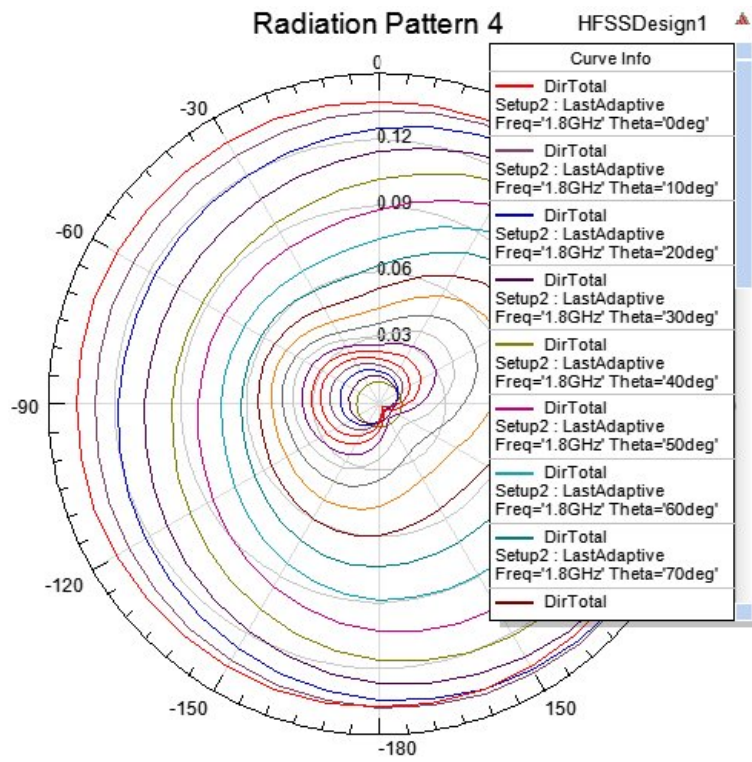| Curve Info |
|---|
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='0deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='10deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='20deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='30deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='40deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='50deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='60deg' Theta='0deg' |
| GainTotal<br>Setup2 : LastAdaptive<br>Phi='70deg' Theta='0deg' |
| GainTotal |

## Radiation Pattern 2

## Radiation Pattern 3



Radiation Pattern 3 — HFSSDesign1

**Radiation Pattern 4**
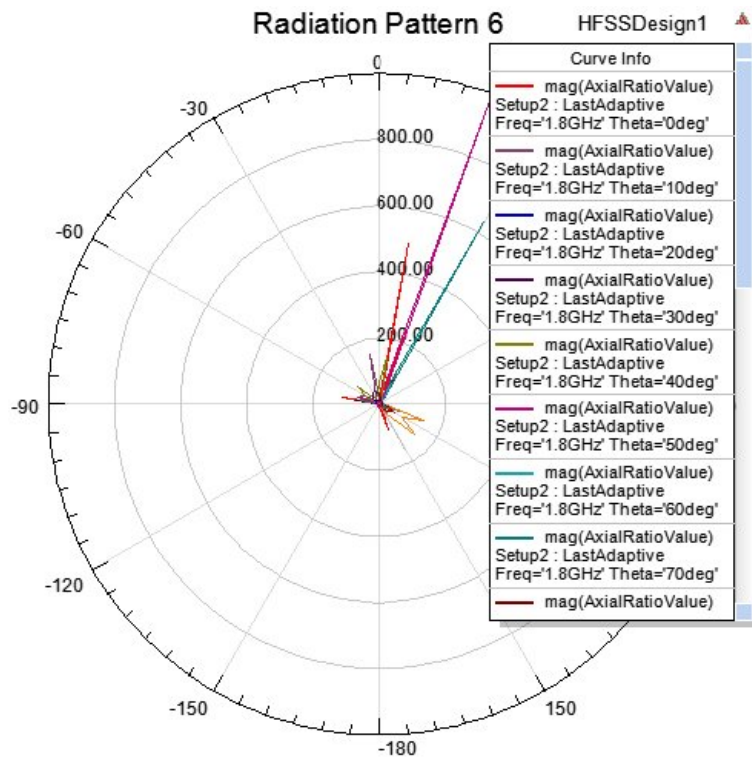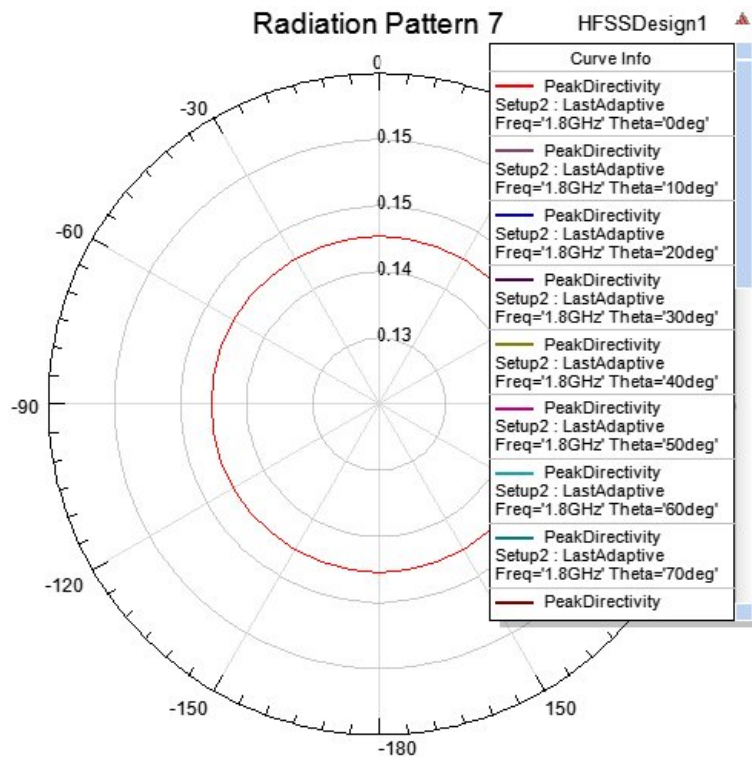
## Radiation Pattern 5
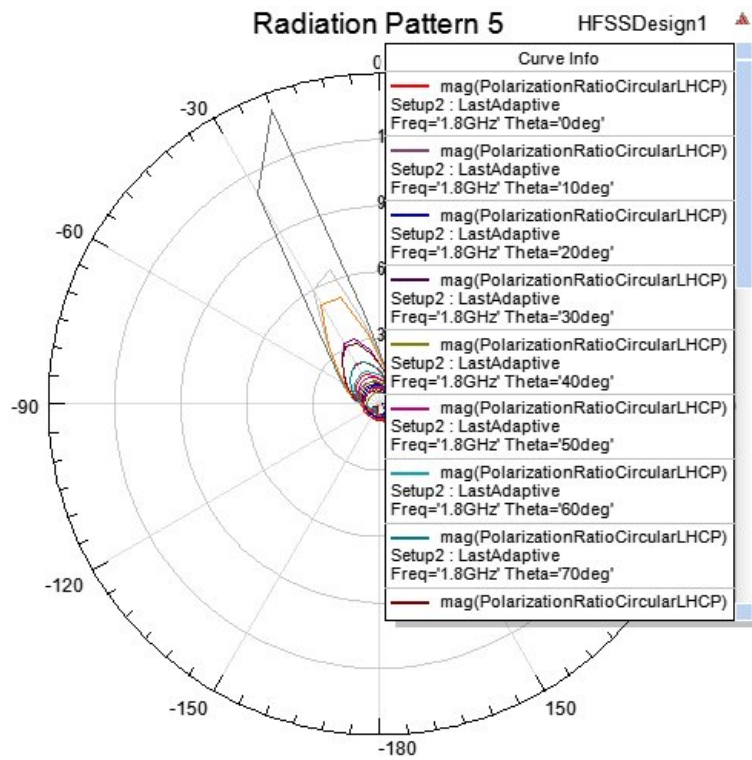
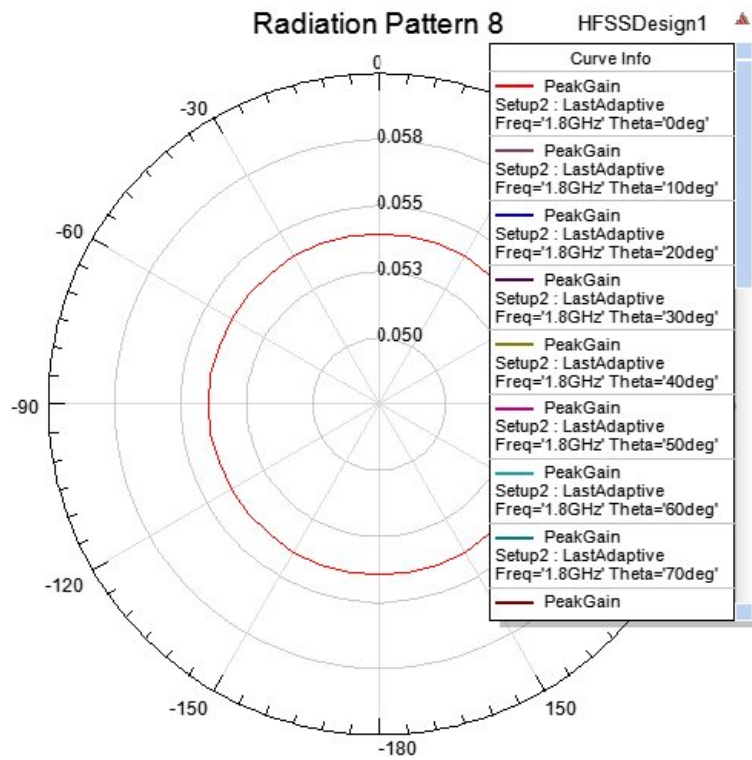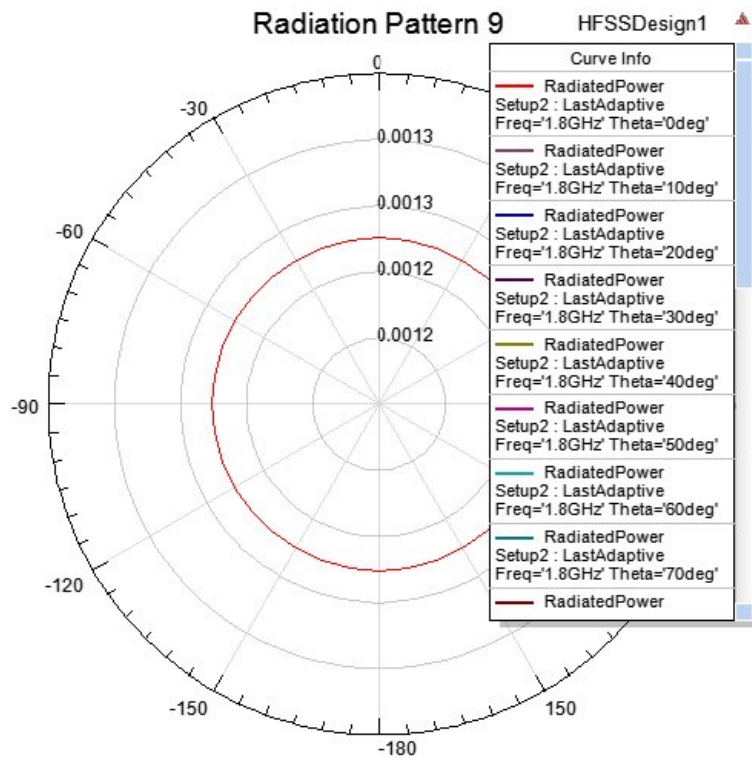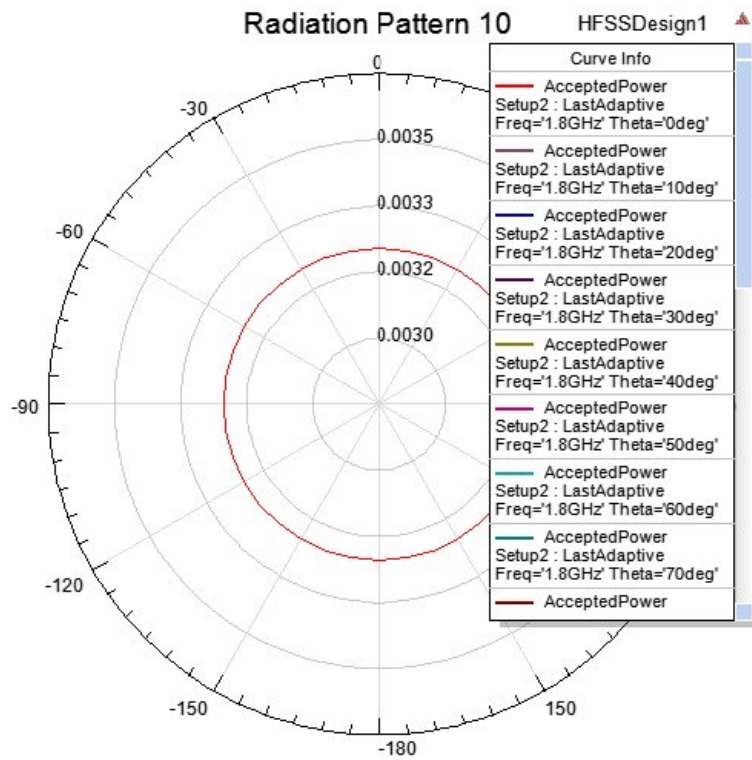**Radiation Pattern 6**
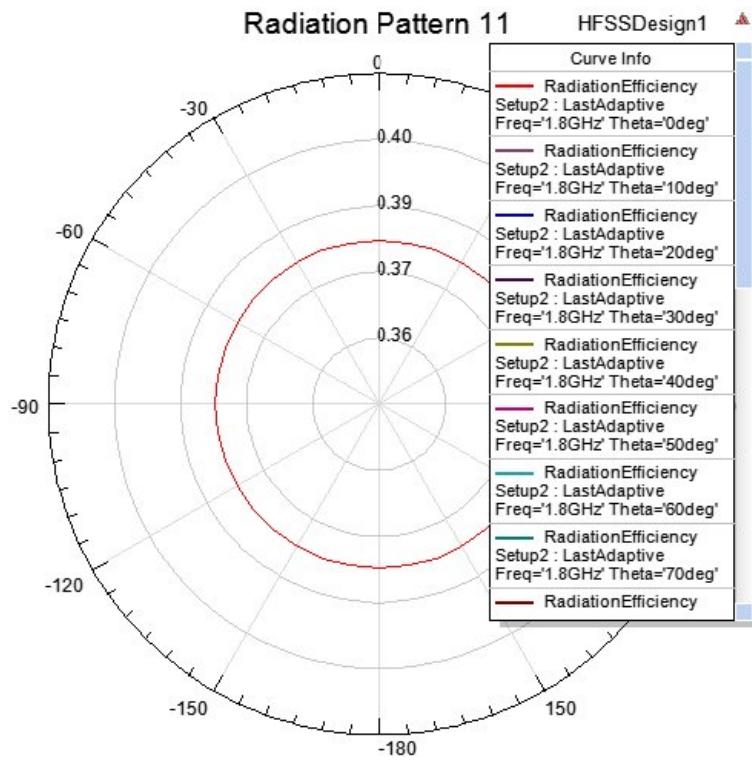
## Radiation Pattern 7

## Radiation Pattern 8

**Radiation Pattern 9**

## Radiation Pattern 10

**Radiation Pattern 11**



# Field Overlays