

**Project: PDR**

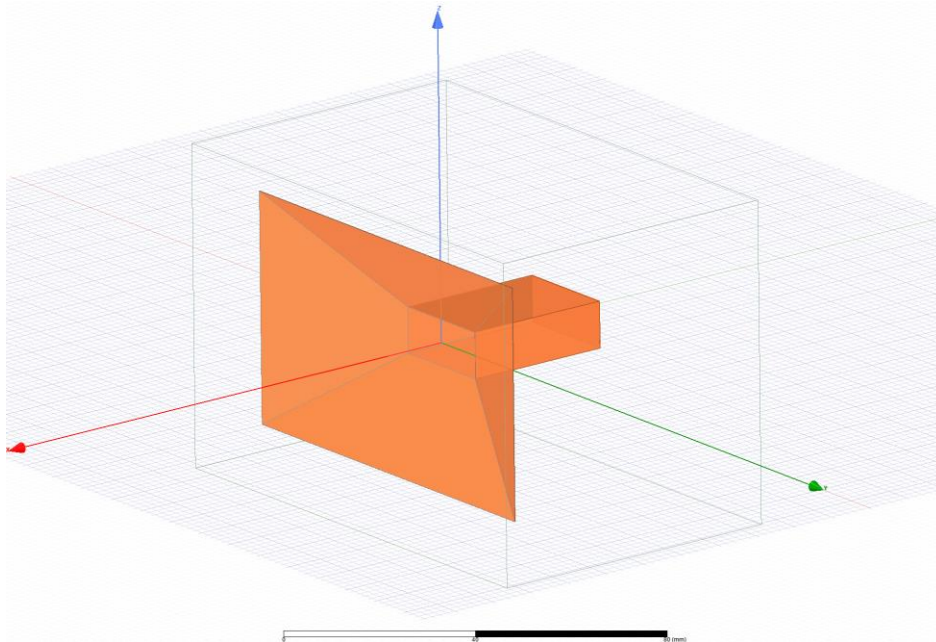
Design Type: HFSS

Name: **RectHornAnt\_XBand\_000**

Solution Type: **DrivenModal**

Sim\_ID: **001**

Model:



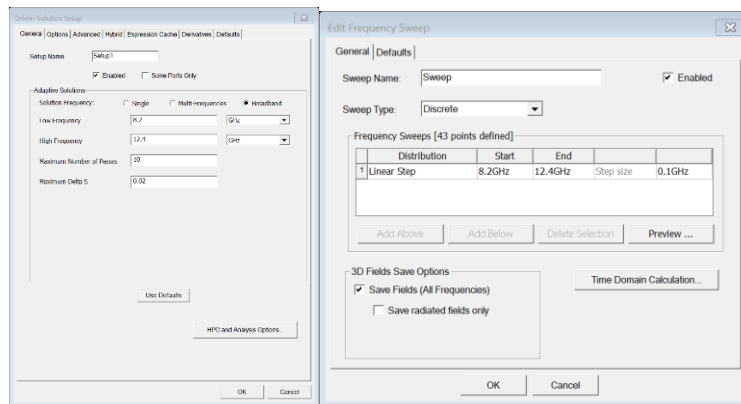
XBand\_RectHorn\_Antenna\_wAir1

Name	Value	Units	Evaluated Value	Description
AntThick	0.0102	cm	0.0102cm	
a	2.286	cm	2.286cm	
a1	8.6321	cm	8.6321cm	
b	1.016	cm	1.016cm	
b1	5.1298	cm	5.1298cm	
pe	1.4451	cm	1.4451cm	

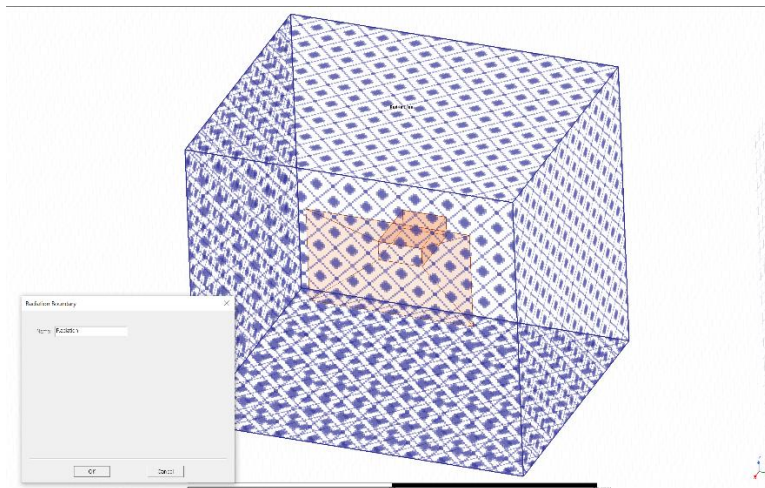
General Parameters Model Materials Component Meshing DCThickness  
Boundaries Excitations Hybrid Regions MeshOperations Coordinate Systems Info

OK Cancel

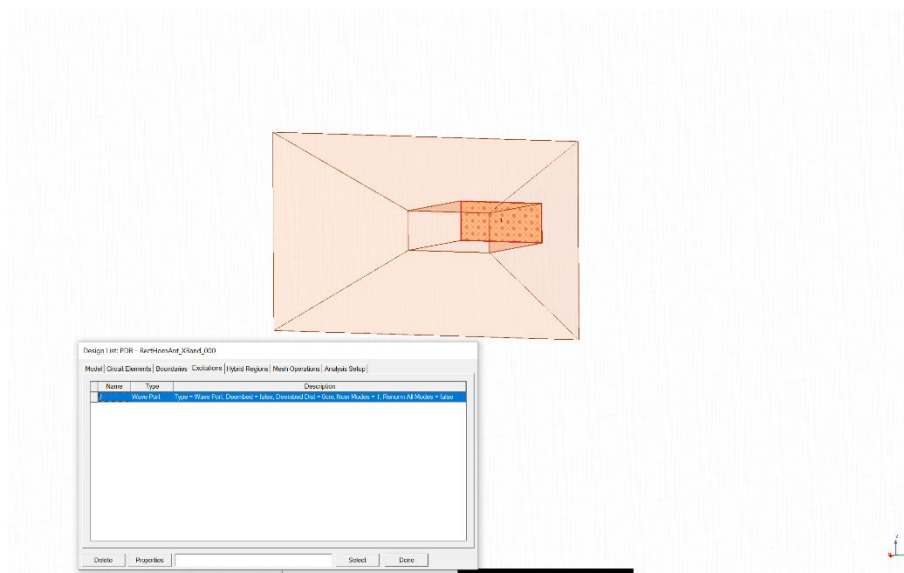
Analysis:



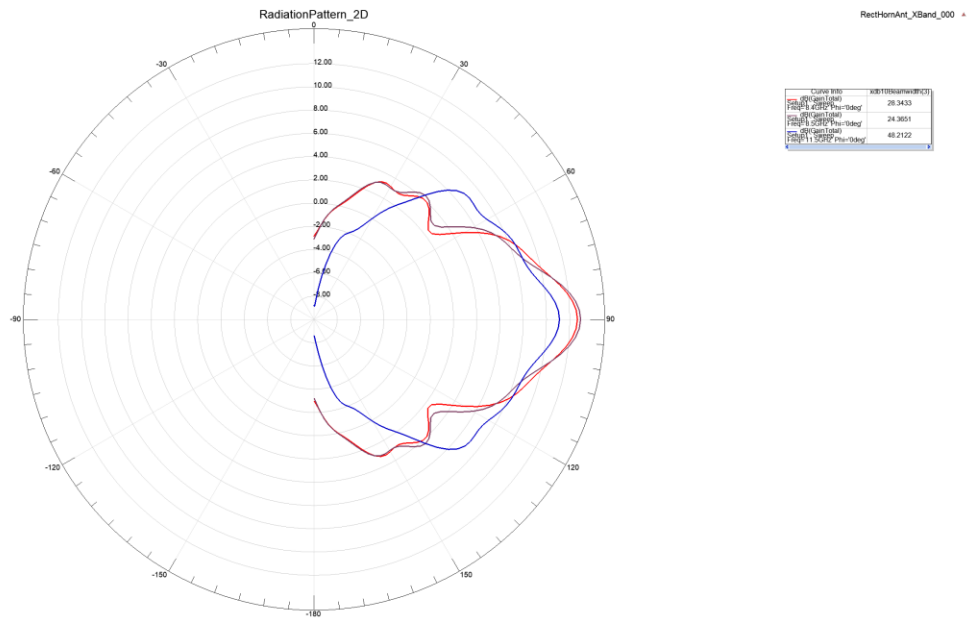
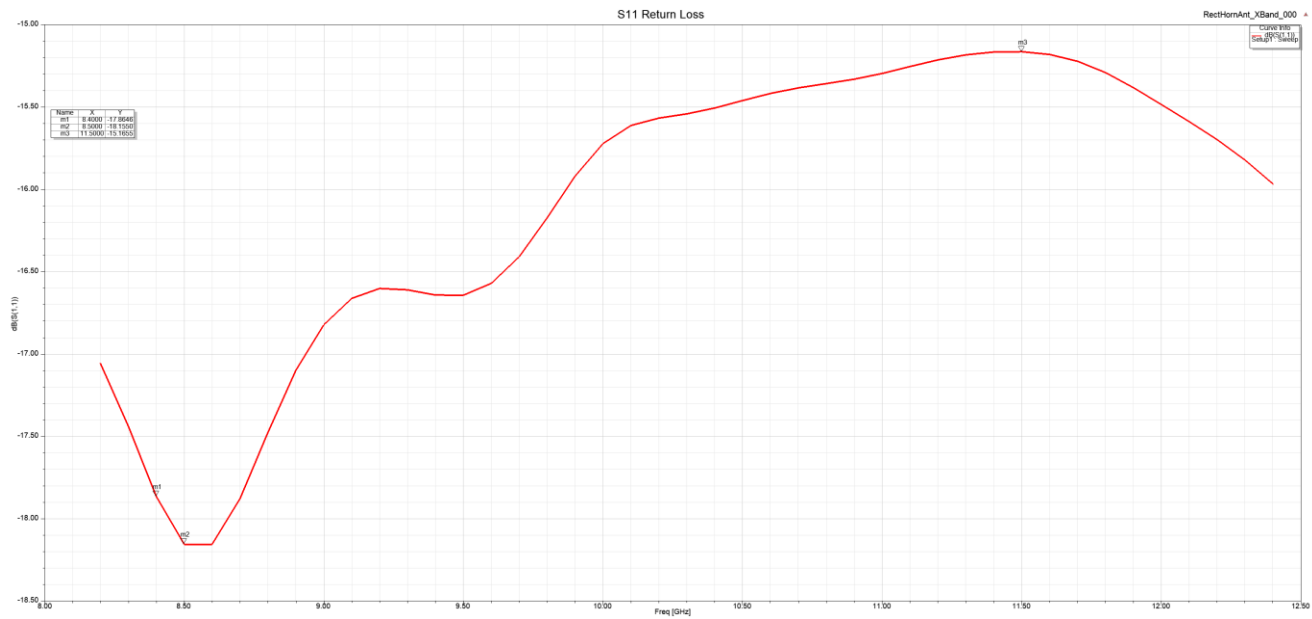
Boundaries:

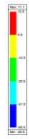


Excitation:

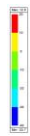
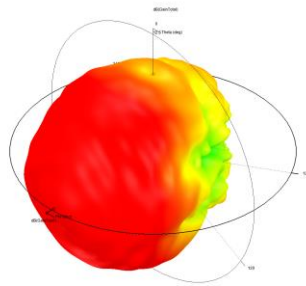


Results:

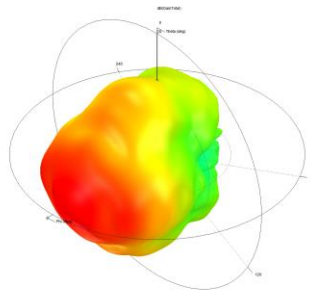




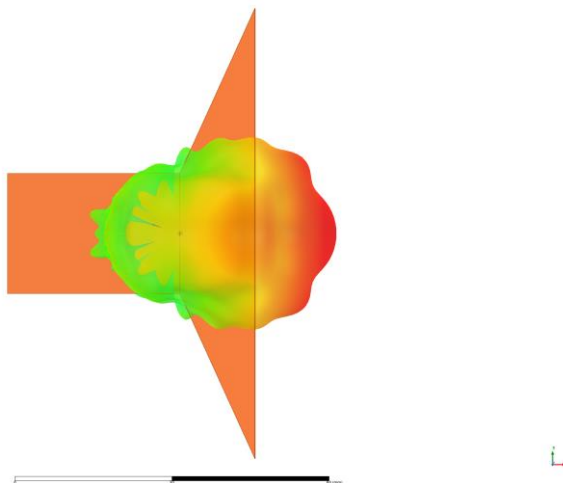
RadiationPattern\_11.5GHz\_3D



RadiationPattern\_8.5GHz\_3D



Field Overlay at 8.5 GHz



## **Project: PDR**

Design Type: HFSS

Name: **RectHornAnt\_XBand\_000**

Solution Type: **DrivenModal**

Sim\_ID: **002**

Analysis:

Driven Solution Setup

General | Options | Advanced | Hybrid | Expression Cache | Derivatives | Defaults

Setup Name: Setup1

☒ Enabled ☐ Solve Ports Only

Adaptive Solutions

Solution Frequency: ☐ Single ☐ Multi-Frequencies ☒ Broadband

Low Frequency: 8 GHz

High Frequency: 26 GHz

Maximum Number of Passes: 10

Maximum Delta S: 0.02

Use Defaults

HPC and Analysis Options...

OK Cancel

Edit Frequency Sweep

General | Interpolation | Defaults

Sweep Name: Sweep ☒ Enabled

Sweep Type: Interpolating

Frequency Sweeps [181 points defined]

	Distribution	Start	End		
1	Linear Step	8GHz	26GHz	Step size	0.1GHz

Add Above Add Below Delete Selection Preview ...

Time Domain Calculation...

OK Cancel

Results:

