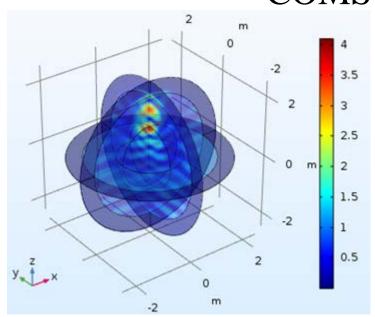
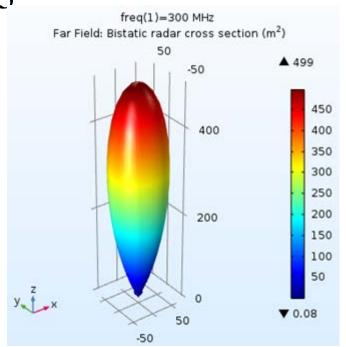
#### COMSOLによる誘電体球による平面波散乱の解析

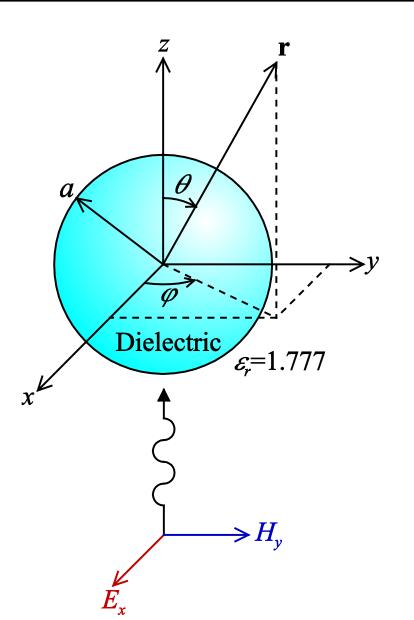


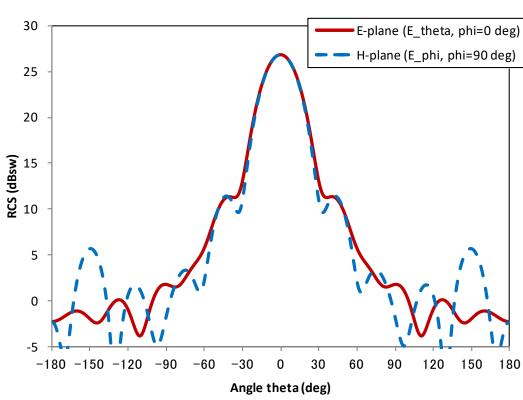




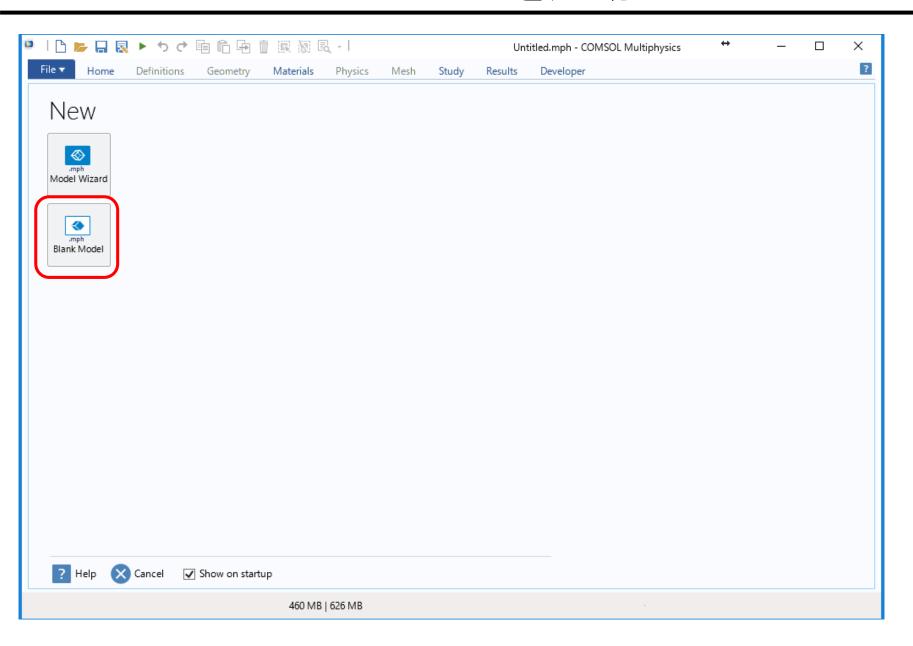
平野 拓一

### 誘電体球による平面波の散乱

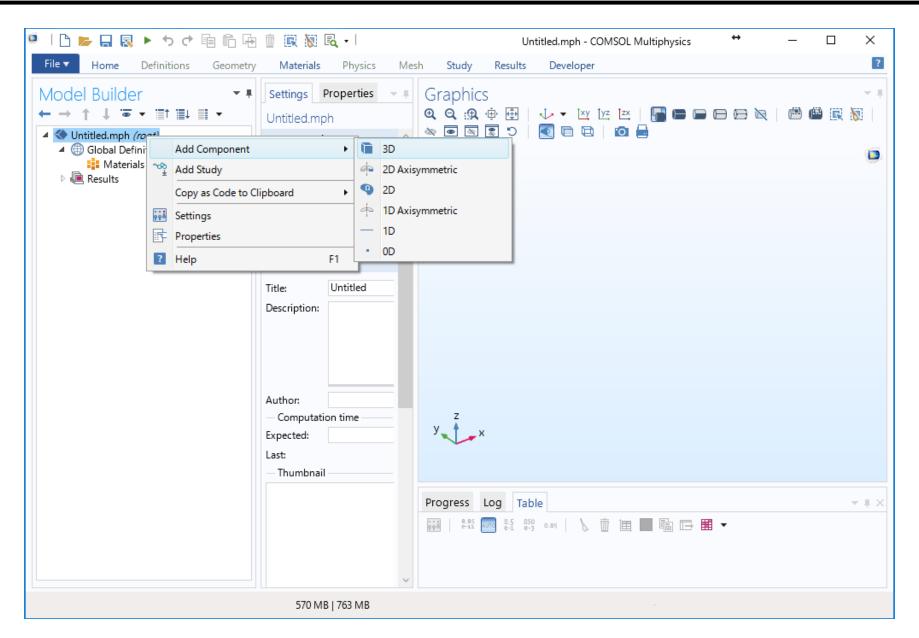




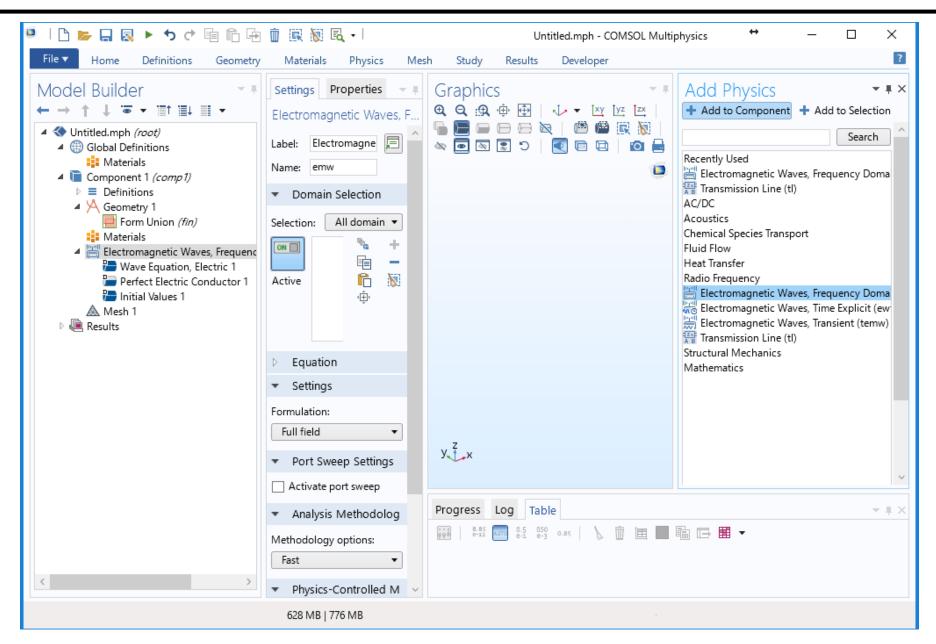
### COMSOLを起動



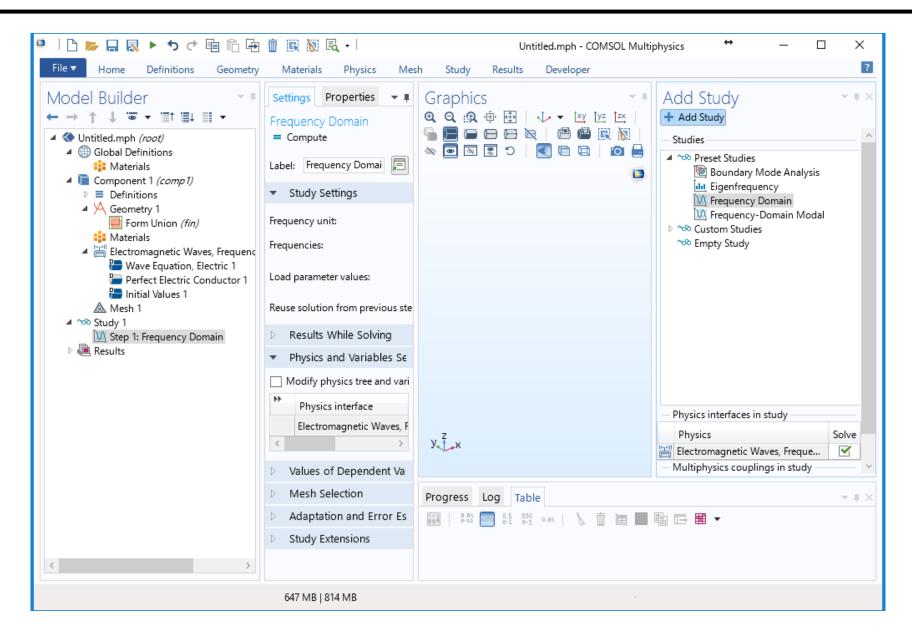
#### 3Dモデルを追加



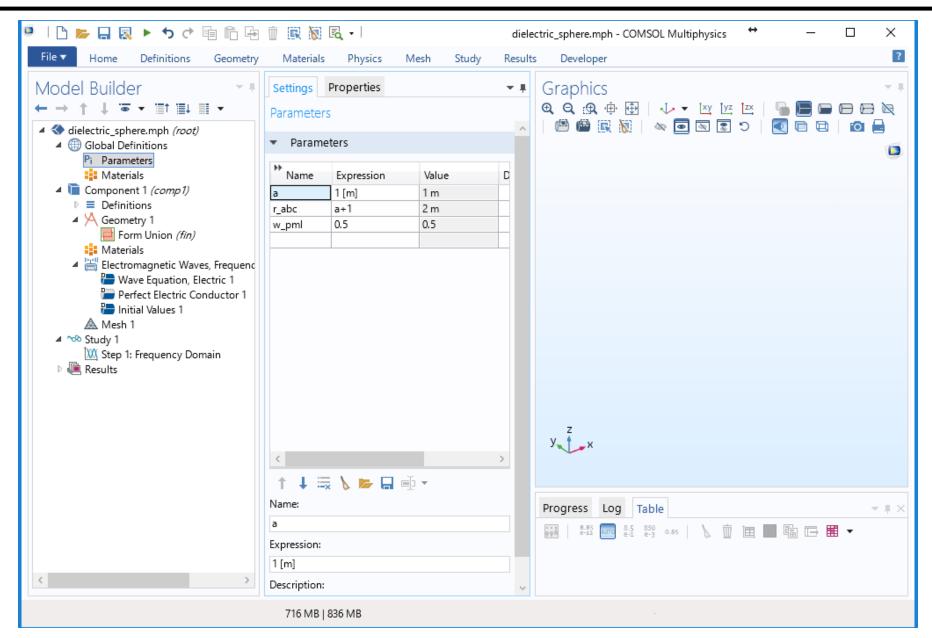
#### フィジックスを追加



### スタディを追加

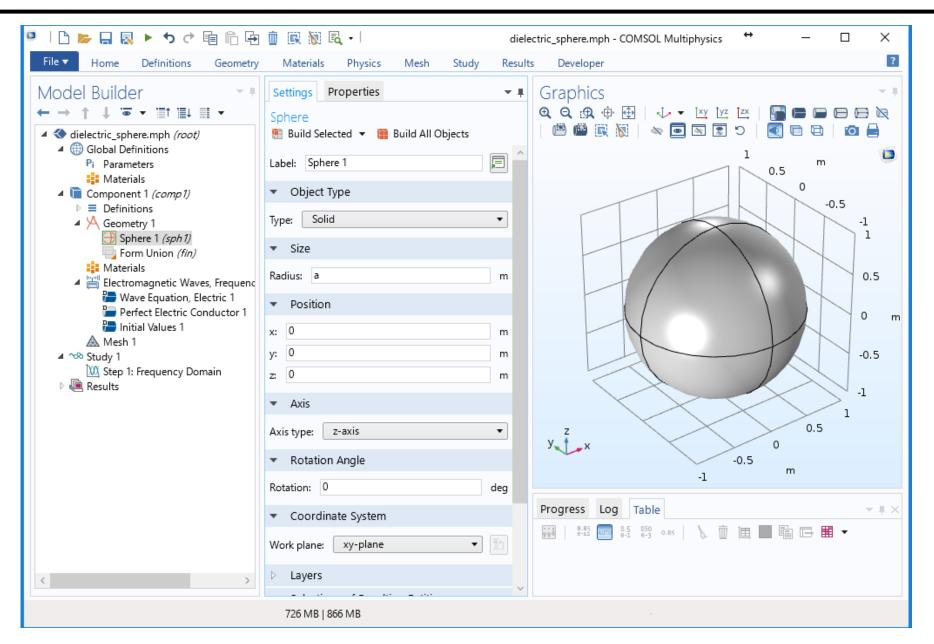


### 変数を定義

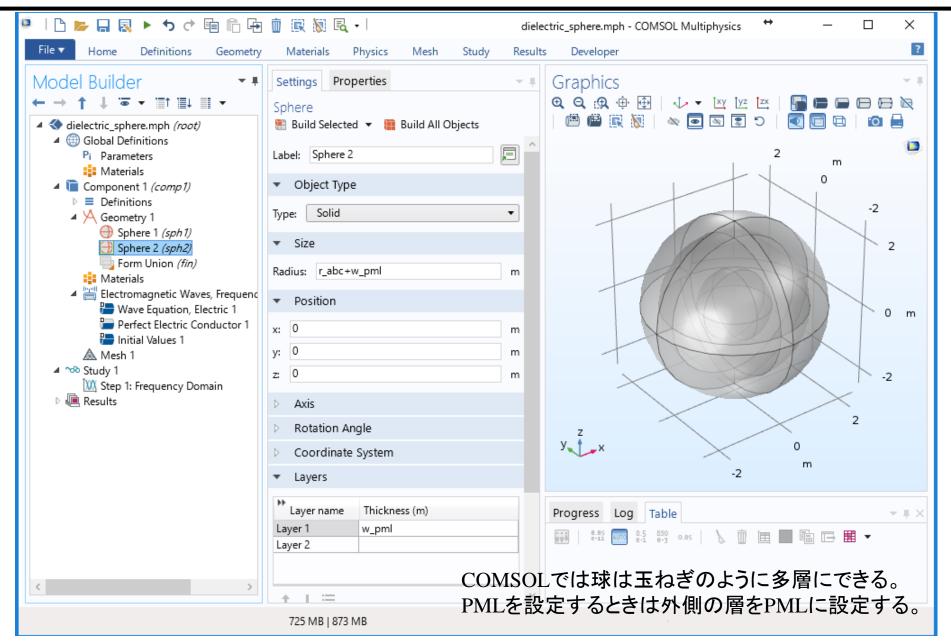


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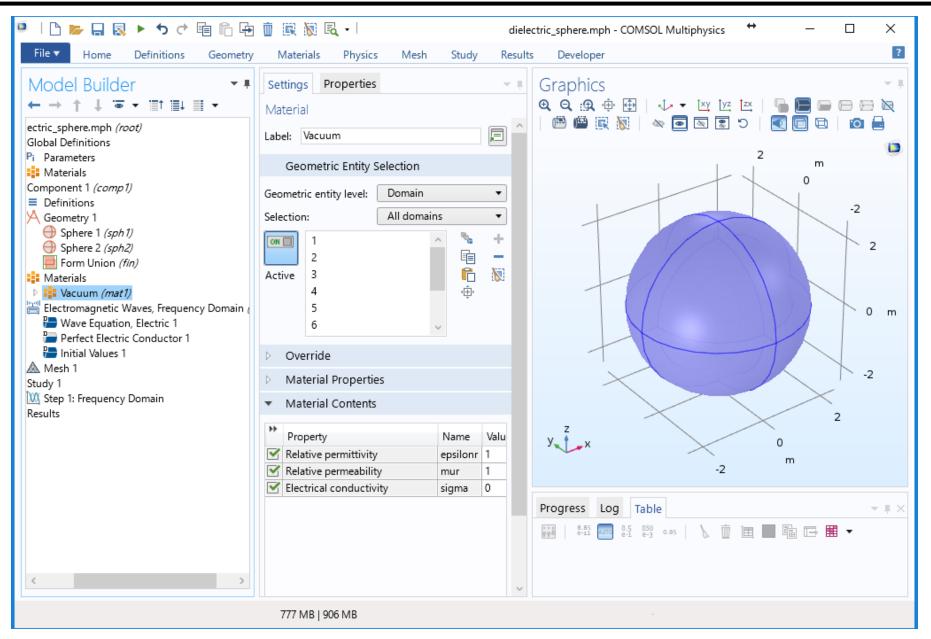
### 誘電体球を描く



### 空気とPMLを描く

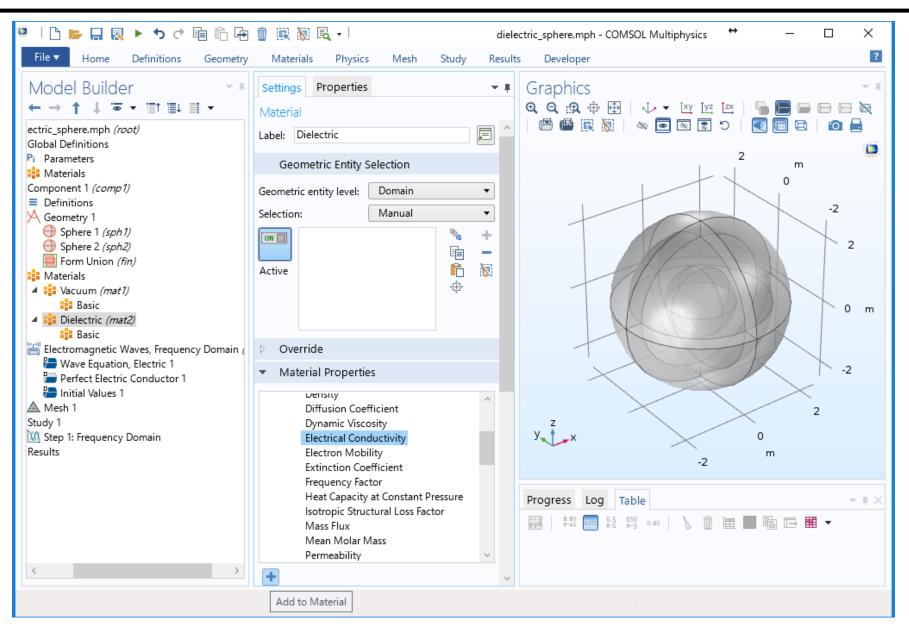


### 材料(真空)の設定

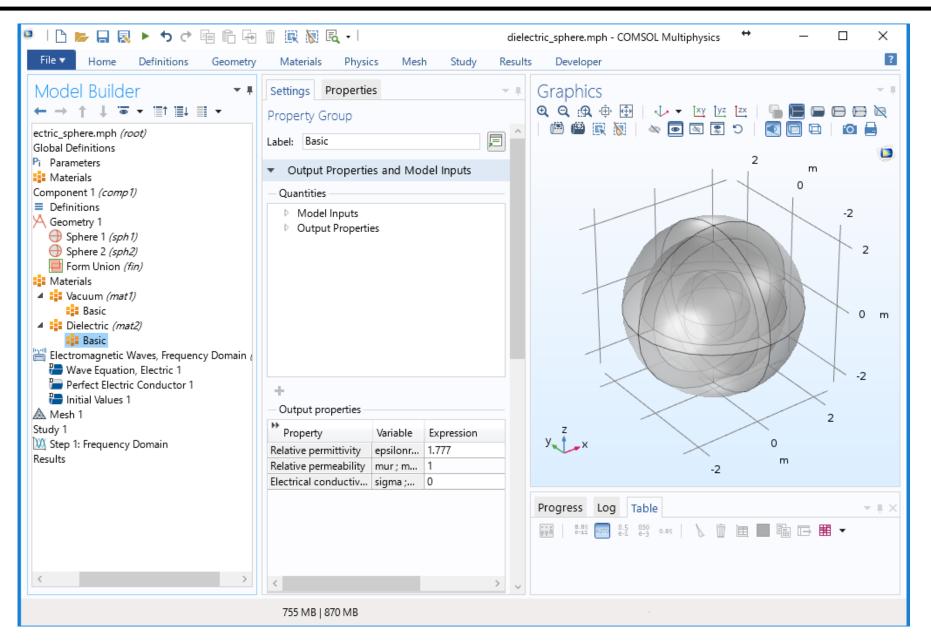


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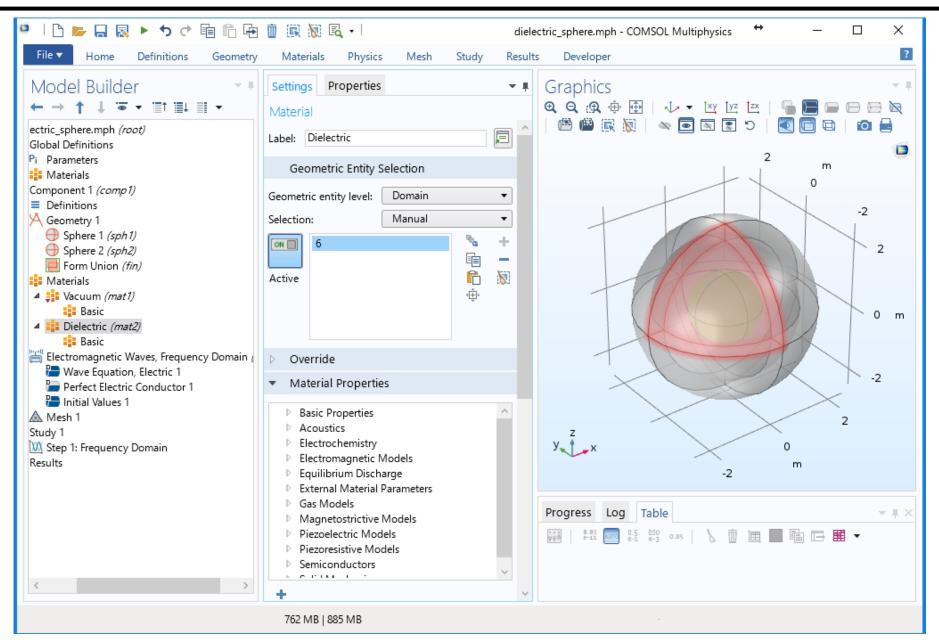
### 材料(誘電体)の設定



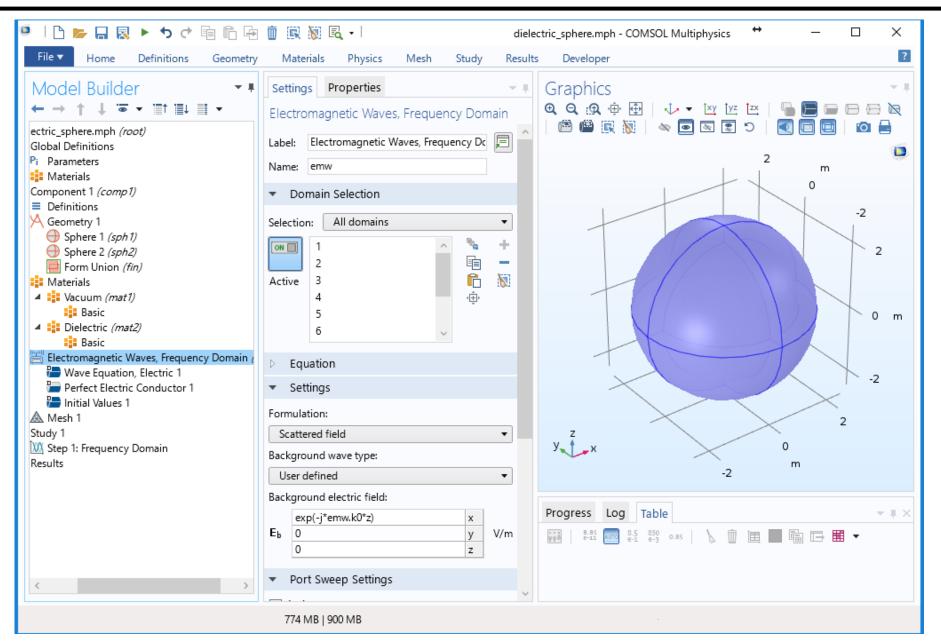
### 材料(誘電体)の設定



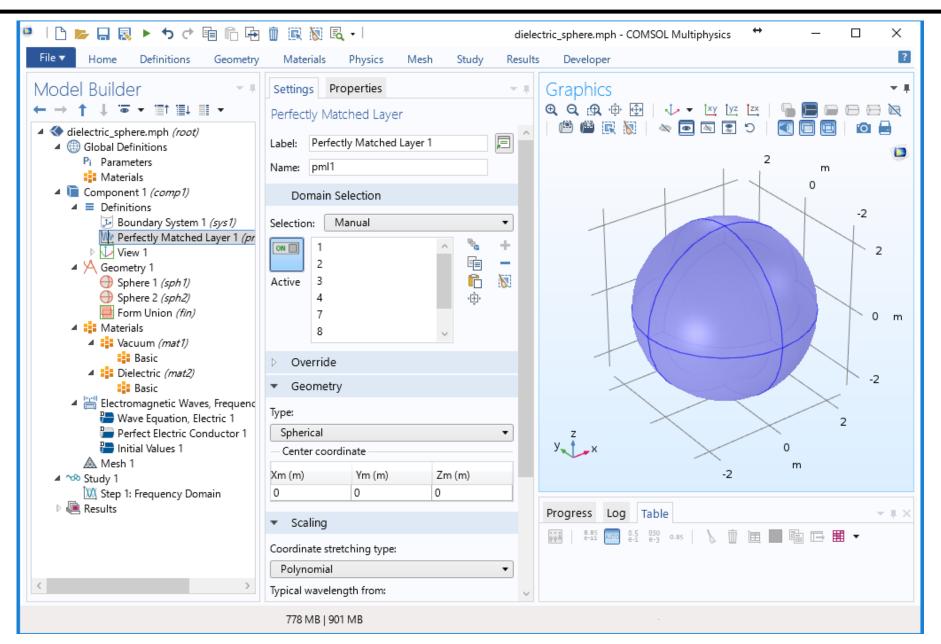
### 材料(誘電体)の設定



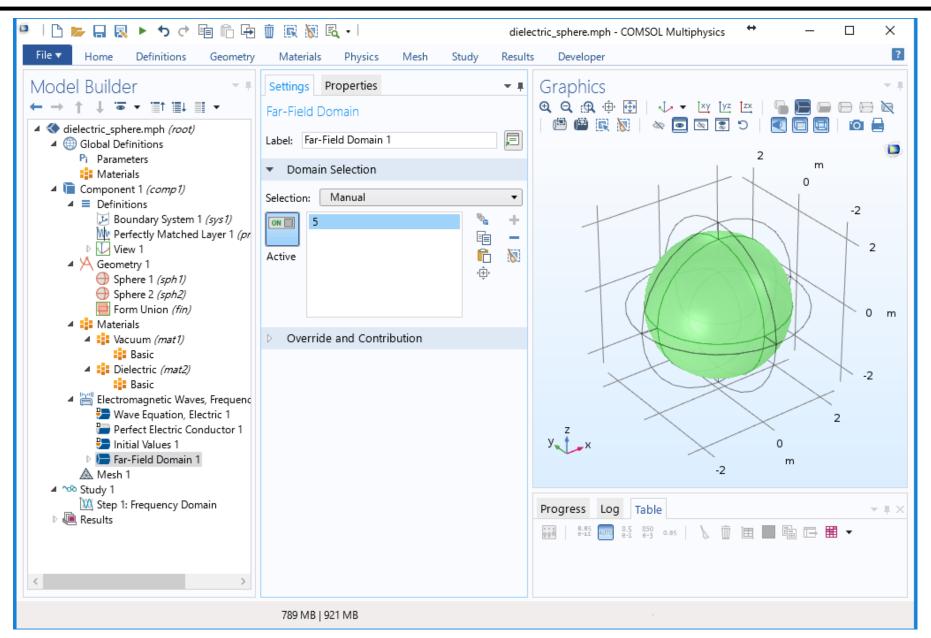
### 励振平面波の設定



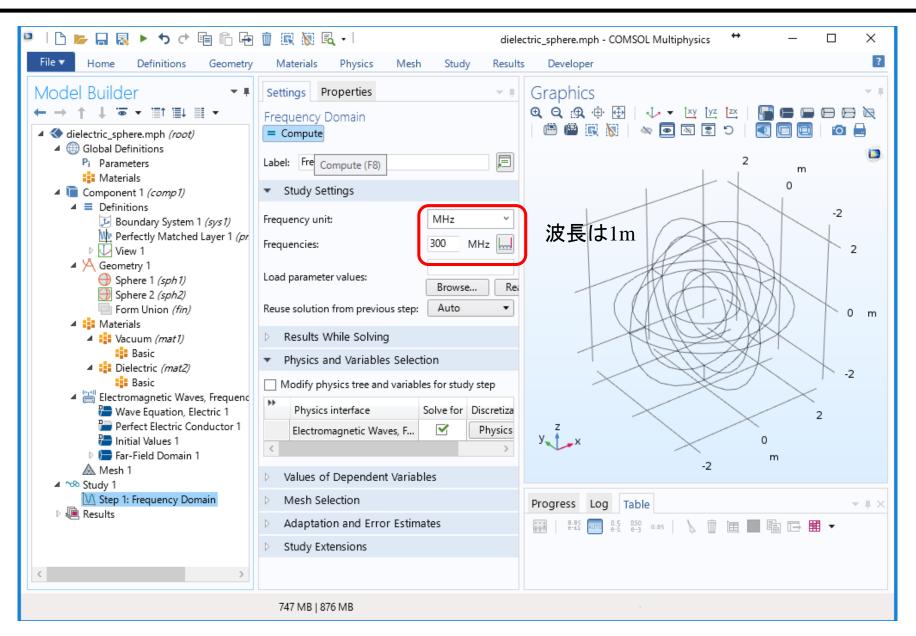
#### PMLの設定



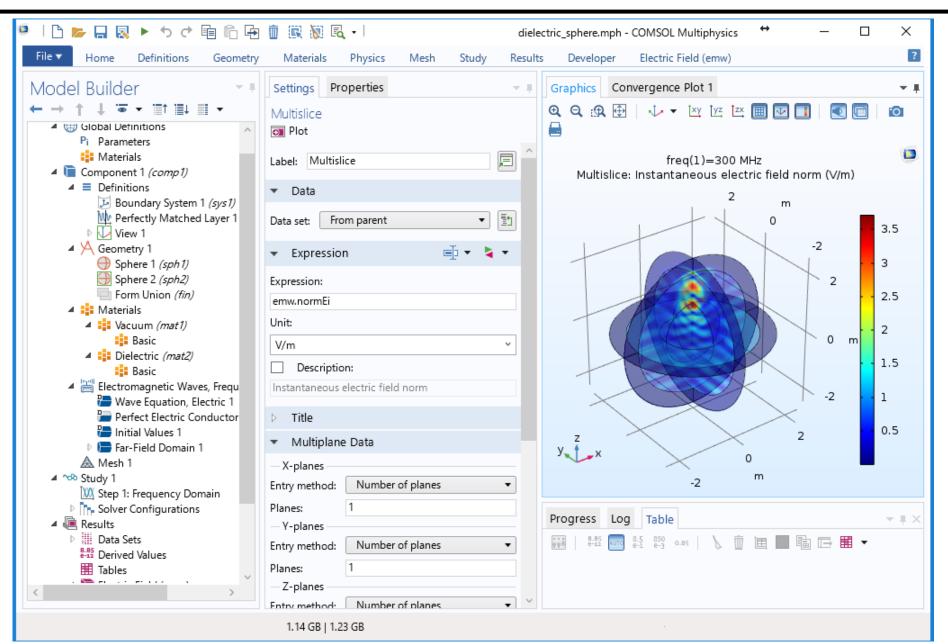
## 遠方界領域の設定



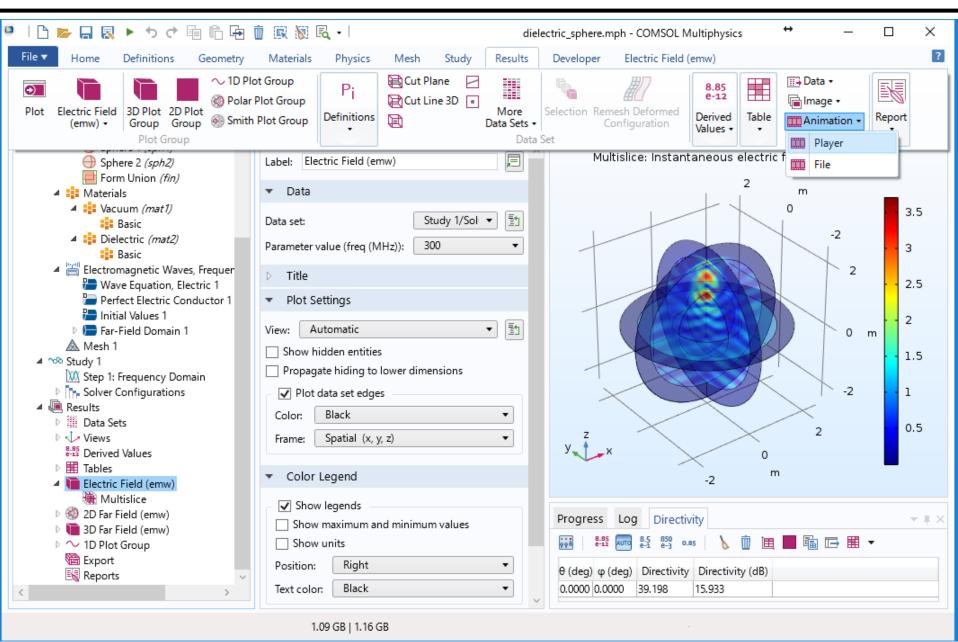
### スタディを追加&解析



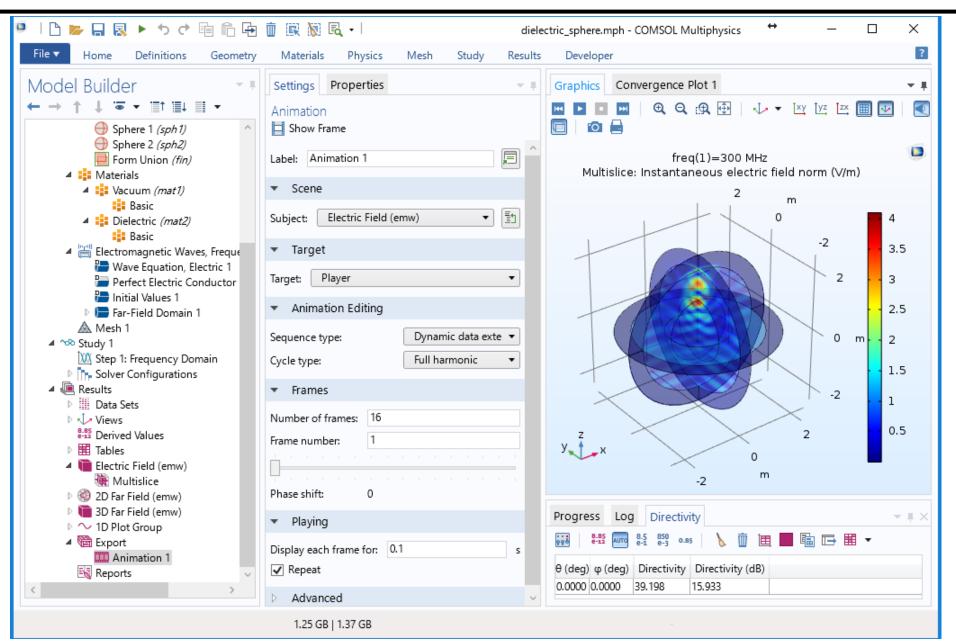
#### 電界強度分布(瞬時值)



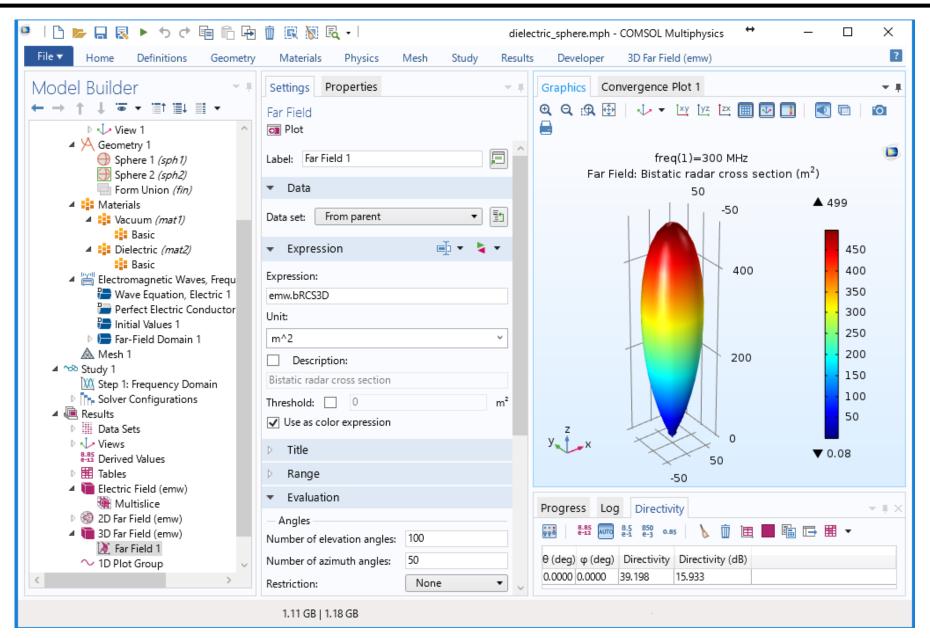
## 電界強度分布(瞬時値の時間アニメーション) No. 19



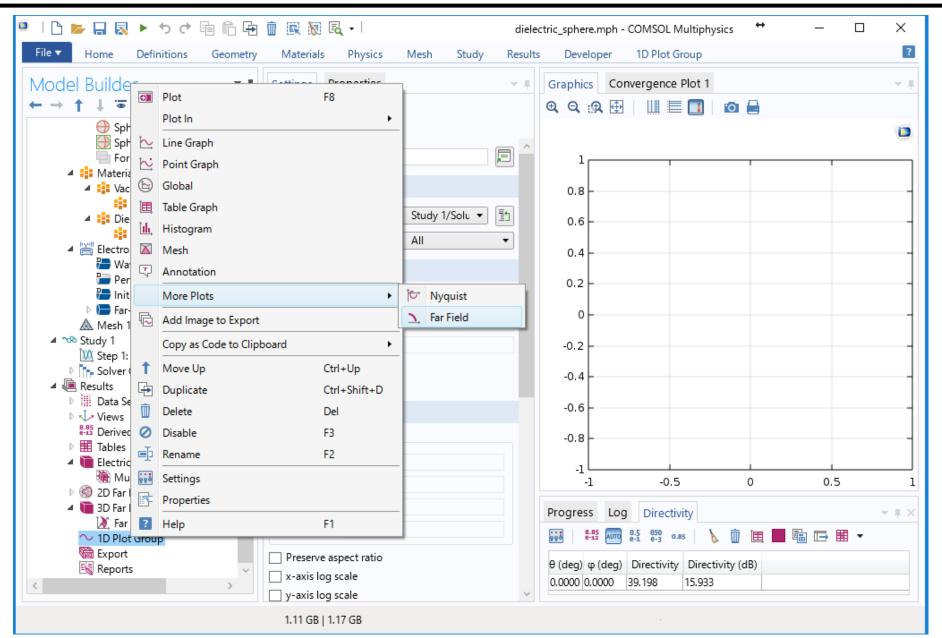
# 電界強度分布(瞬時値の時間アニメーション) No. 20



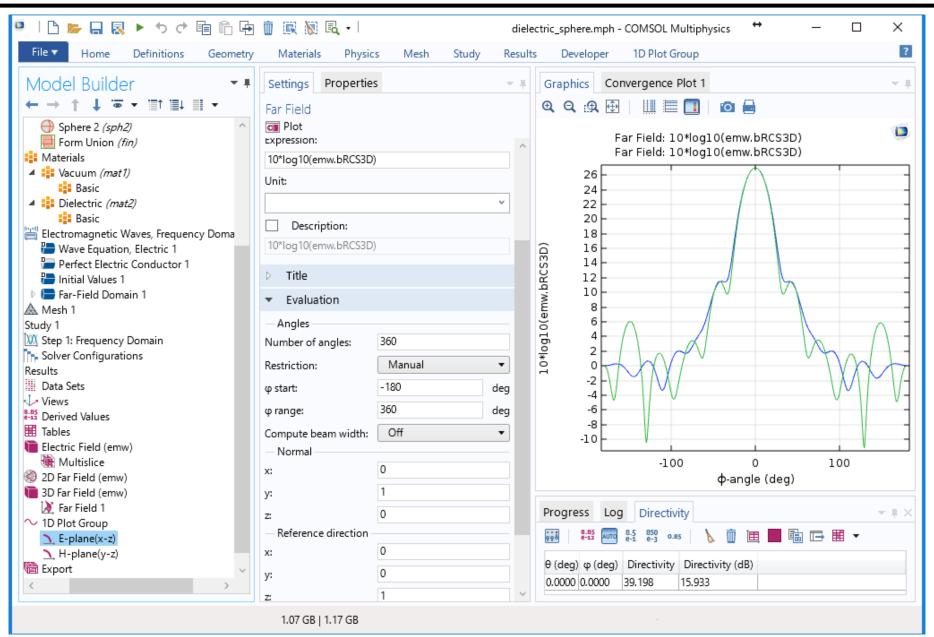
## 遠方界(3D RCS)の出力



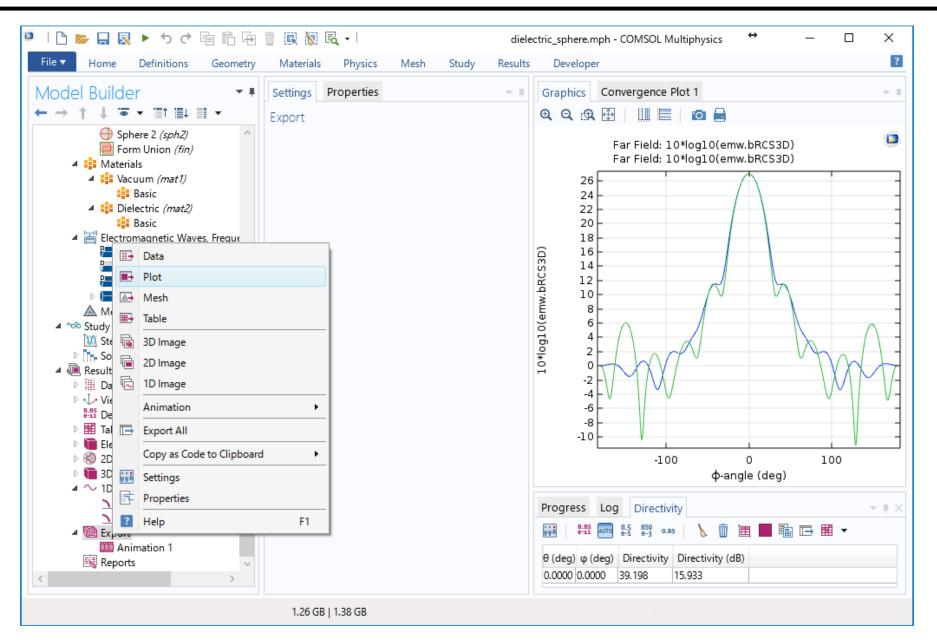
## 遠方界(1D RCS)の出力



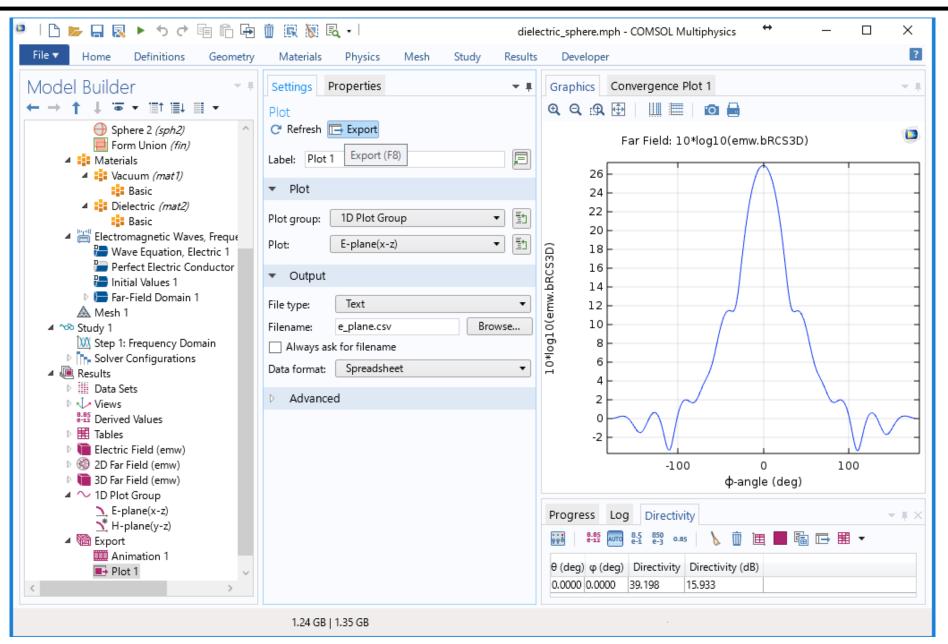
# 遠方界(1D RCS)の出力



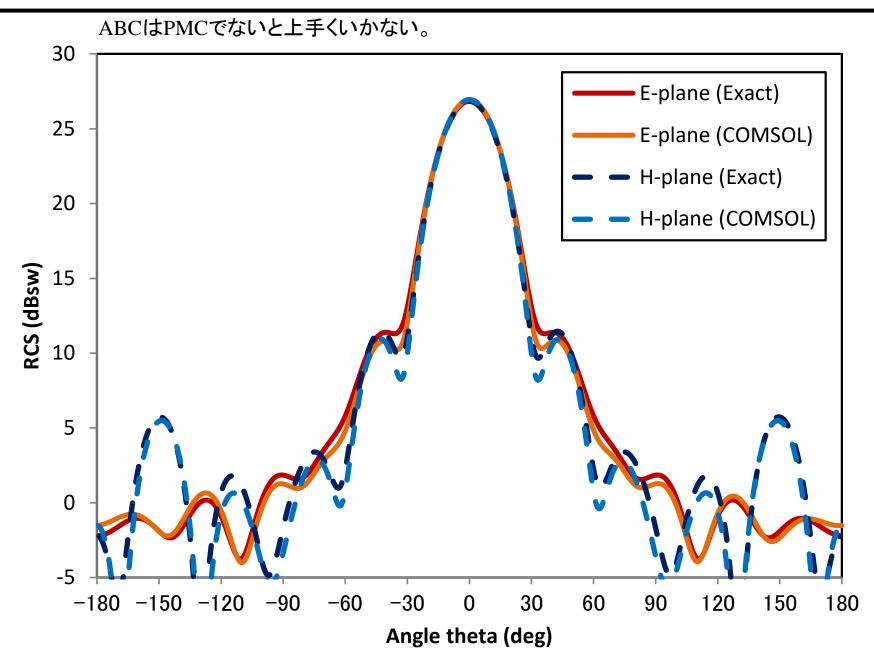
### 1D プロットをCSVファイルにエクスポート



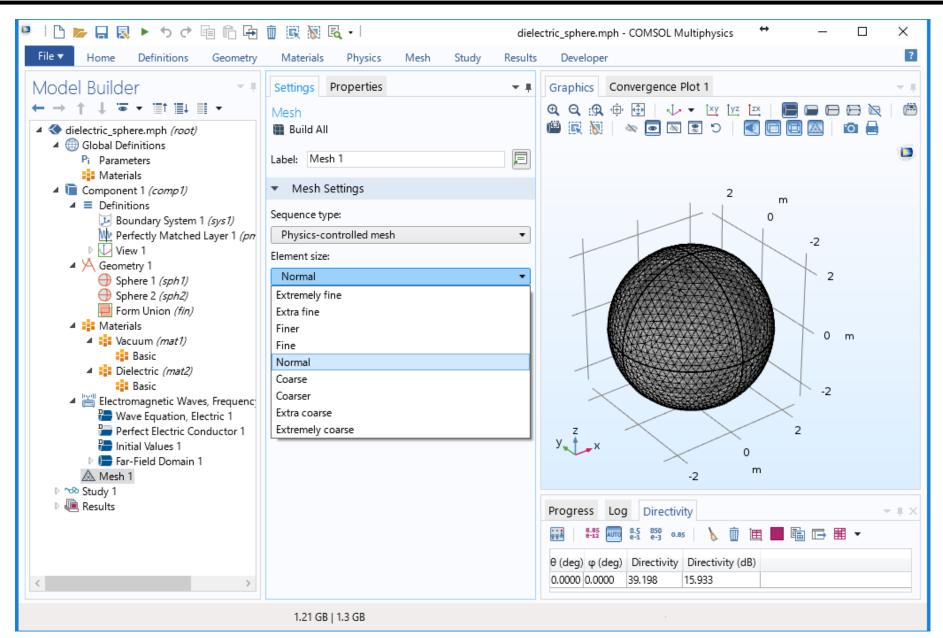
### 1D プロットをCSVファイルにエクスポート



## 厳密解との比較

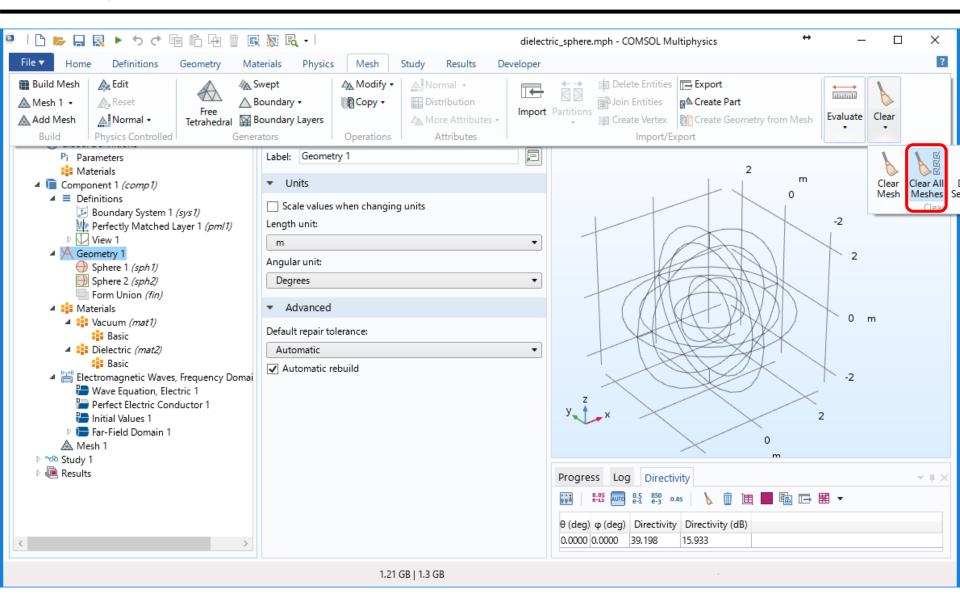


## 【発展】メッシュ制御



T. Hirano

## 【発展】解析結果を削除してファイルサイズを小ざく28



### 【発展】解析結果を削除してファイルサイズを小ざく29

