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Report2: Single Patch Design



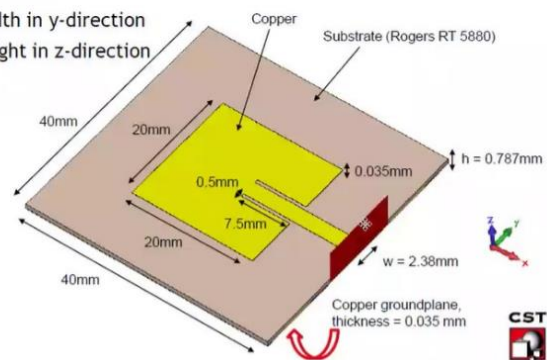
Given Dimensions

▪ Frequency range: 3 - 8 GHz

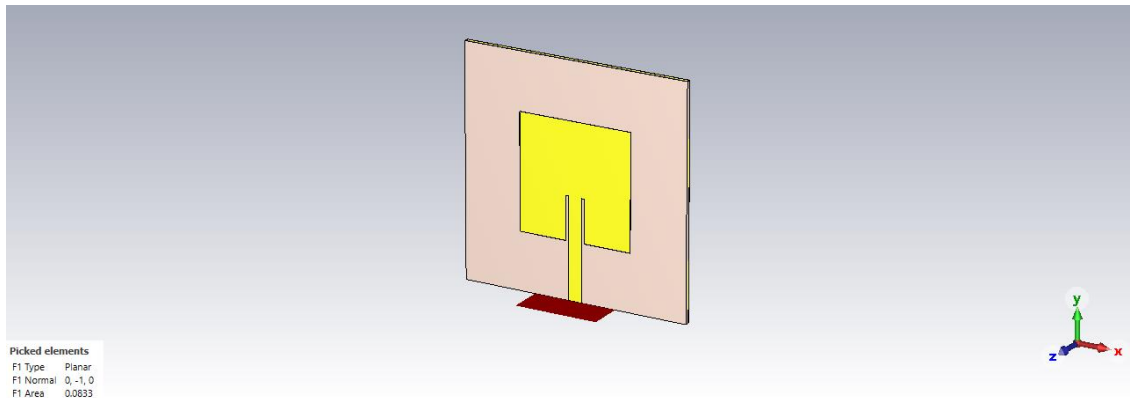
▪ Port size:

▪ $\pm 2^\circ$ width in y-direction

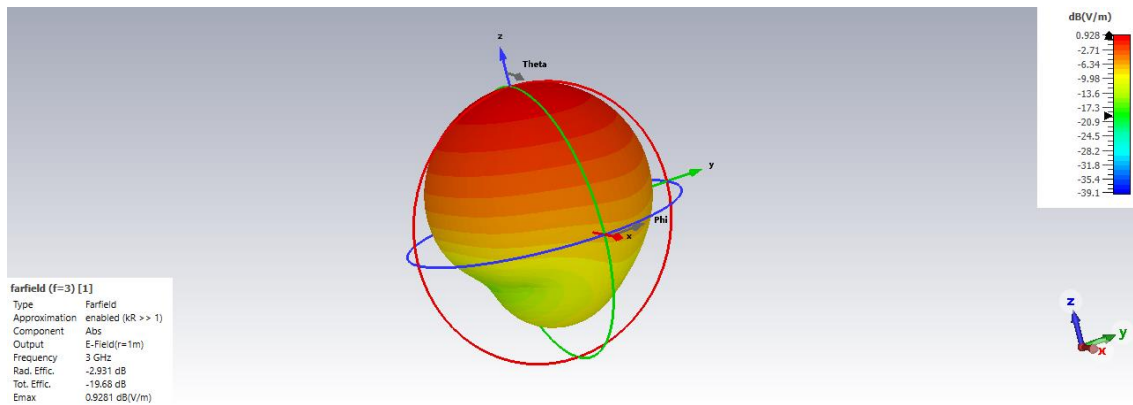
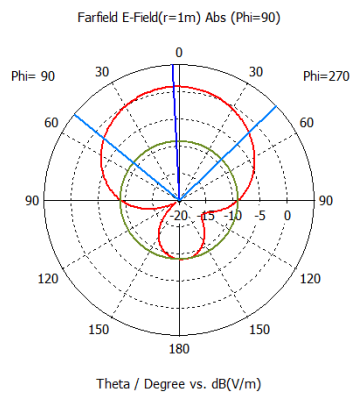
▪ $\pm 5^\circ$ height in z-direction



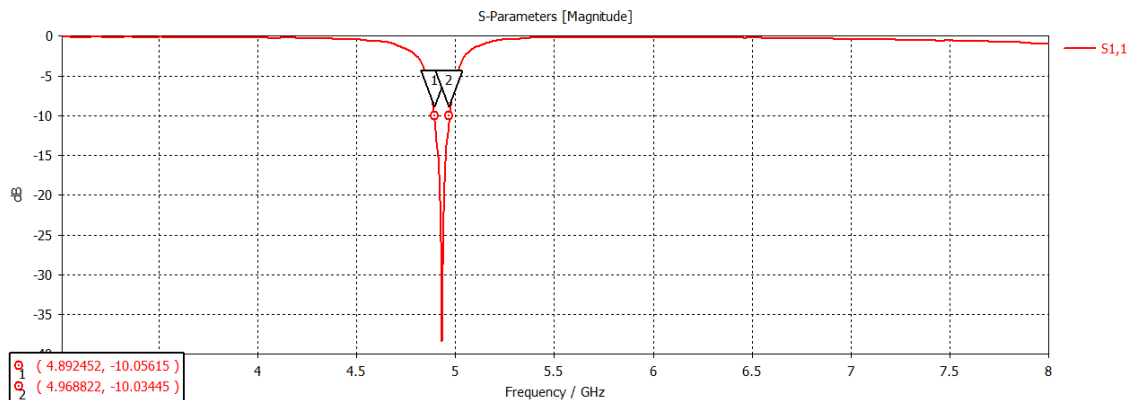
1) Structure



2) Farfield (1D/3D)



3) S-Parameter



4)