

Experiment No. 5 -Study of field patterns of various mode inside a rectangular waveguide

TE₁₀ mode

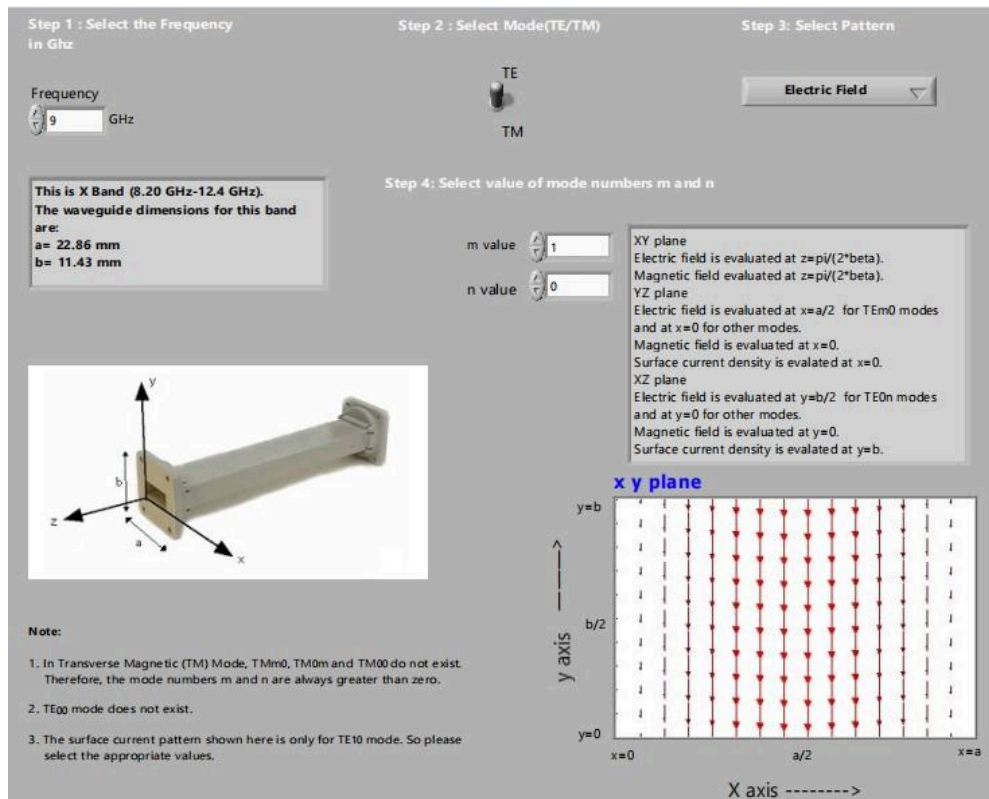


Figure 1:TE₁₀ Electric field pattern

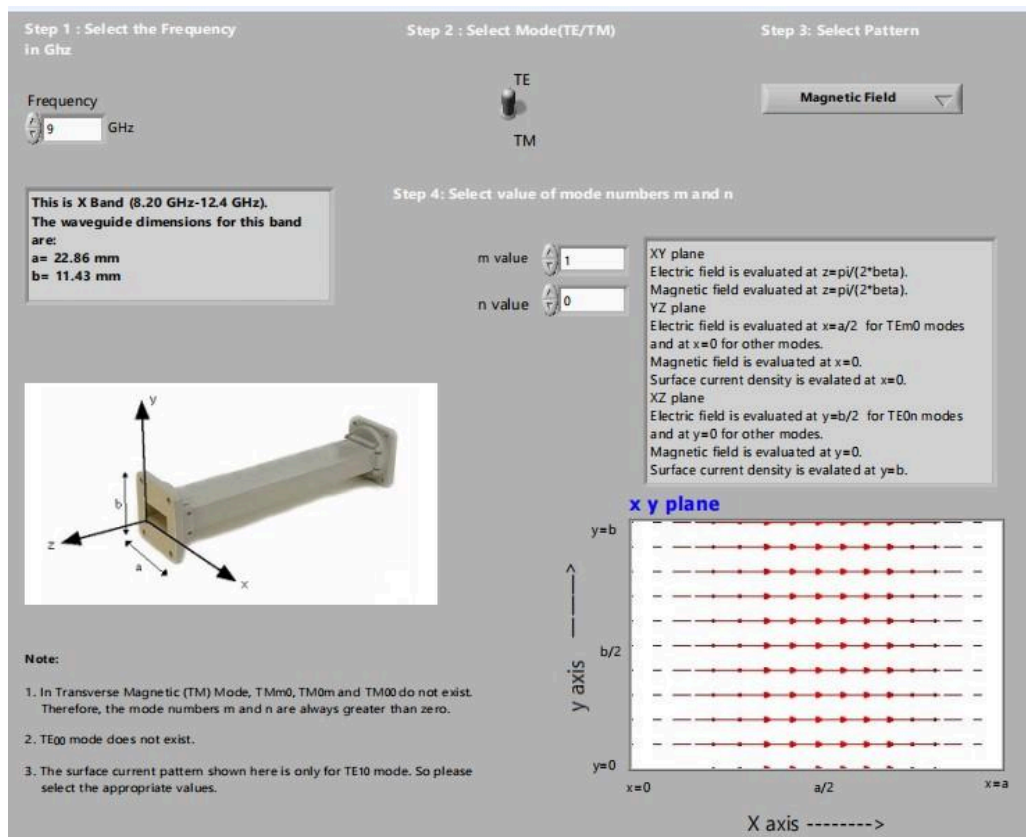


Figure 2:TE₁₀ Magnetic field pattern

TE12 mode

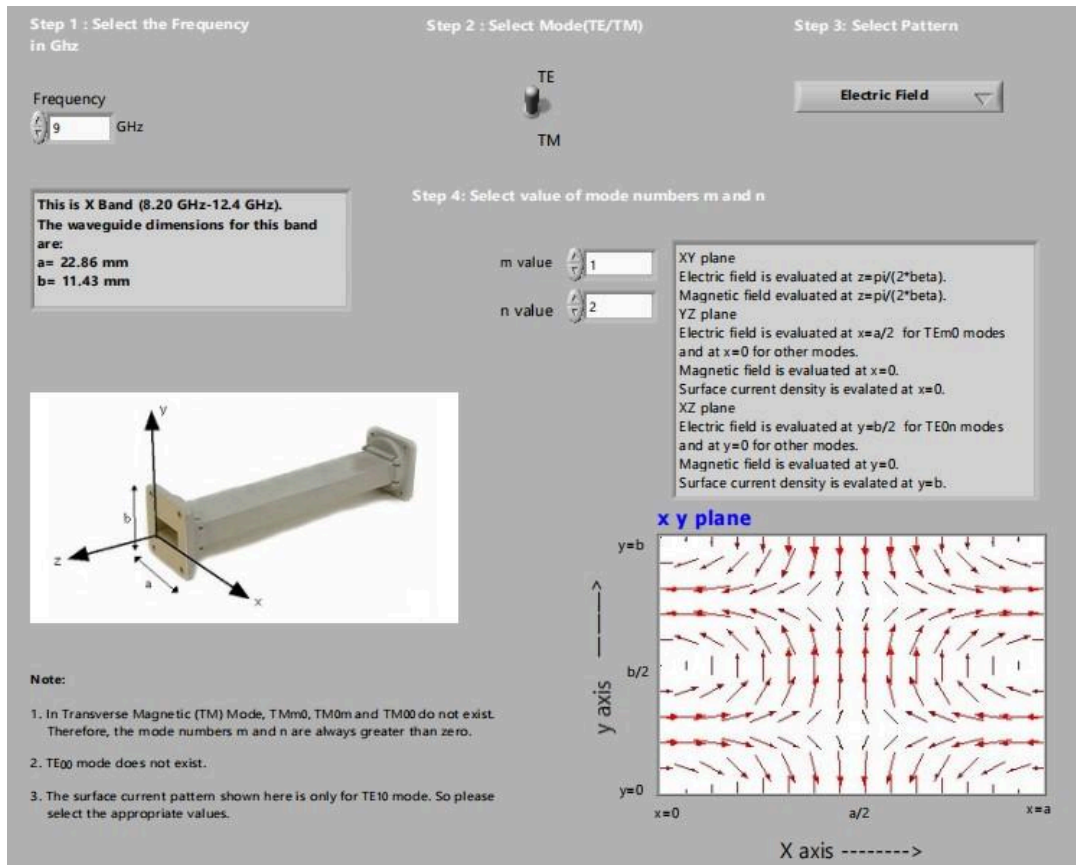


Figure 3:TE12 Electric field pattern

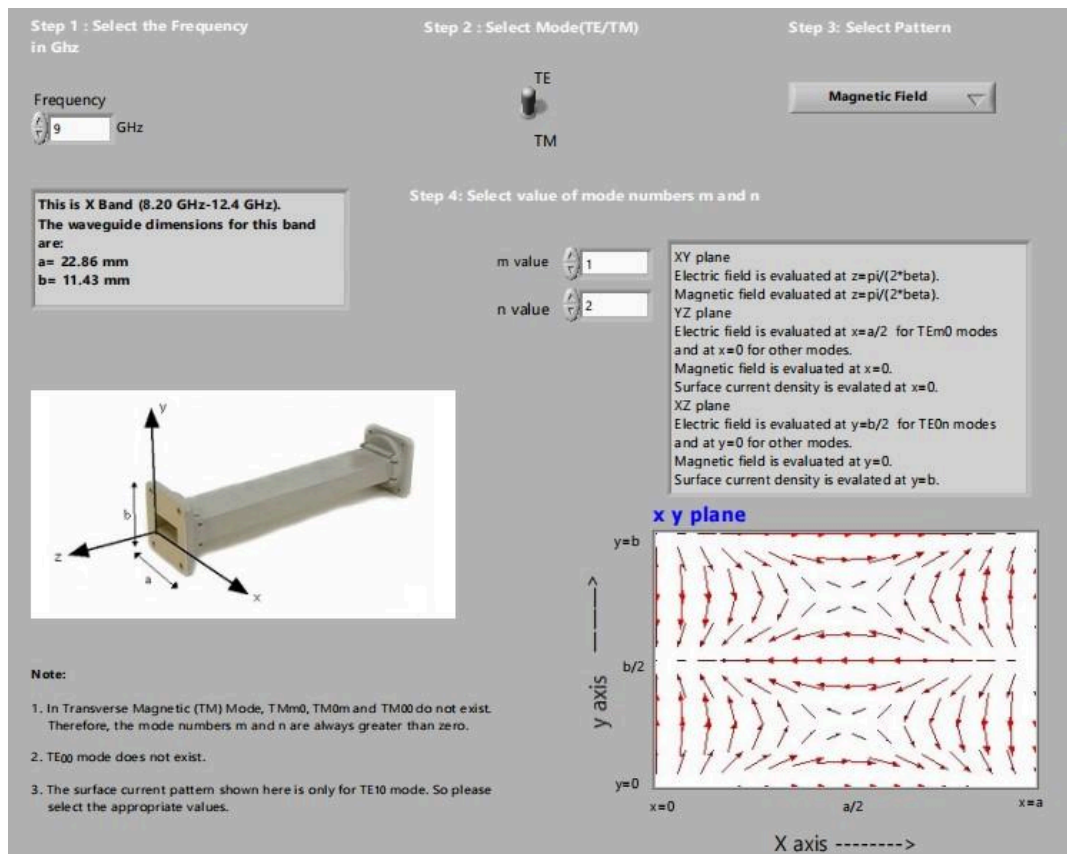


Figure 4:TE12 Magnetic field pattern

TE21 Mode

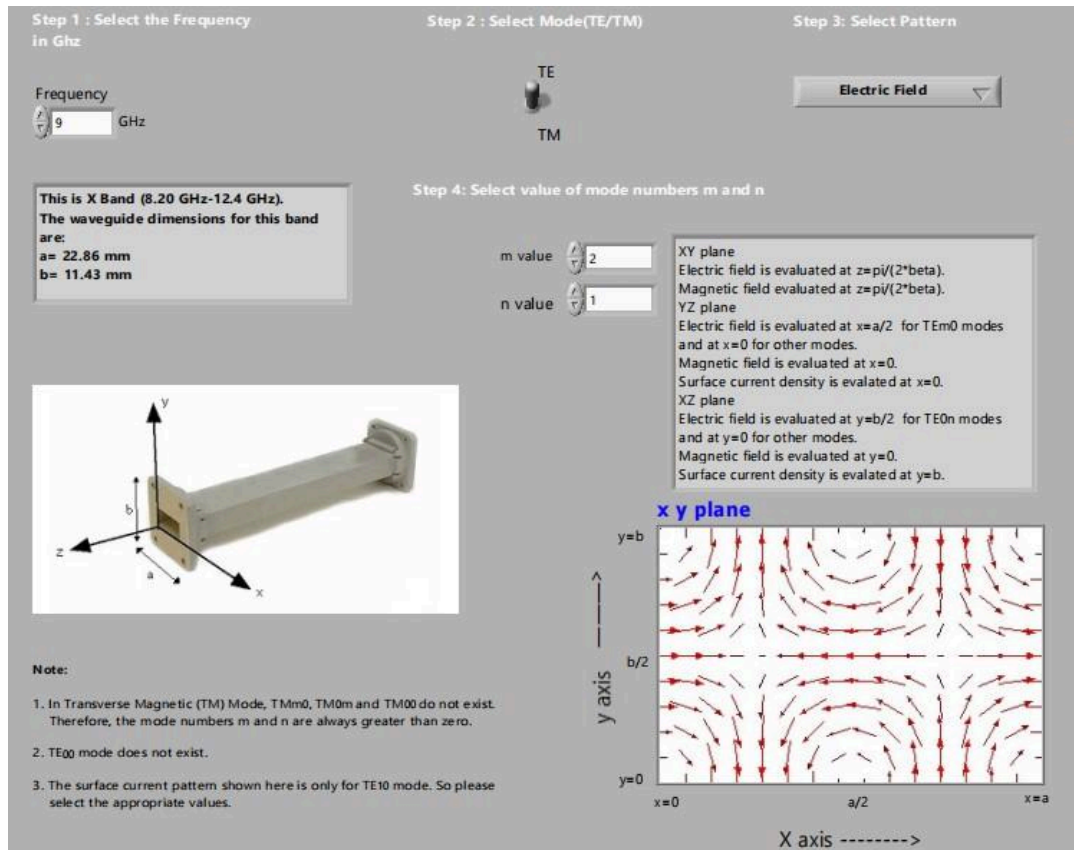


Figure 5:TE21 Electric field pattern

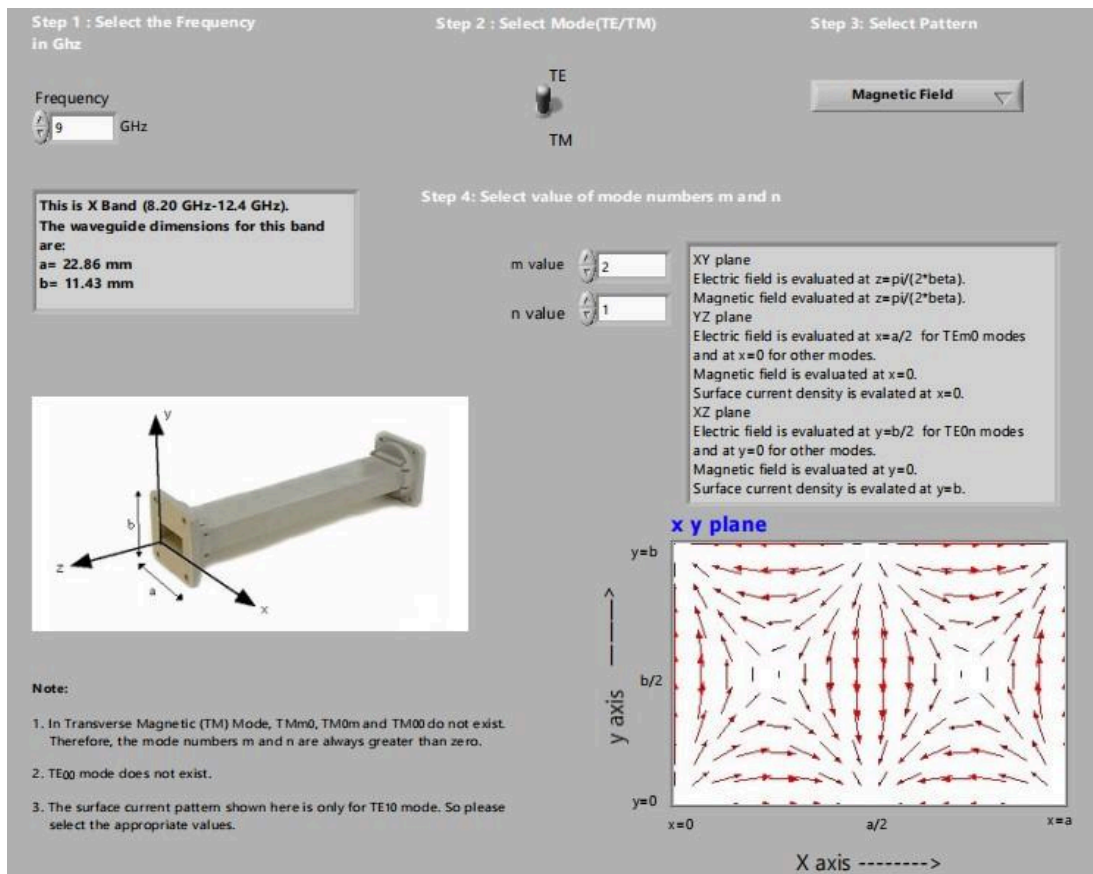


Figure 6:TE21 Magnetic field pattern

TM10 Mode

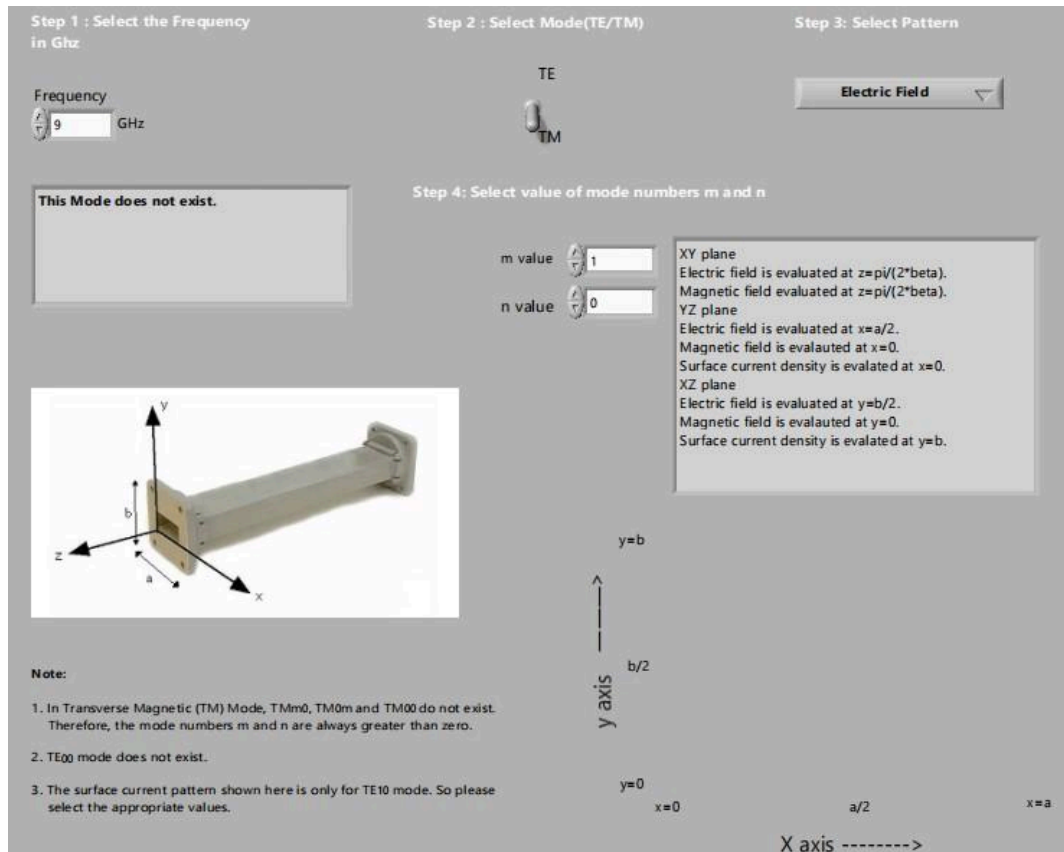


Figure 7:TM10 Electric field pattern

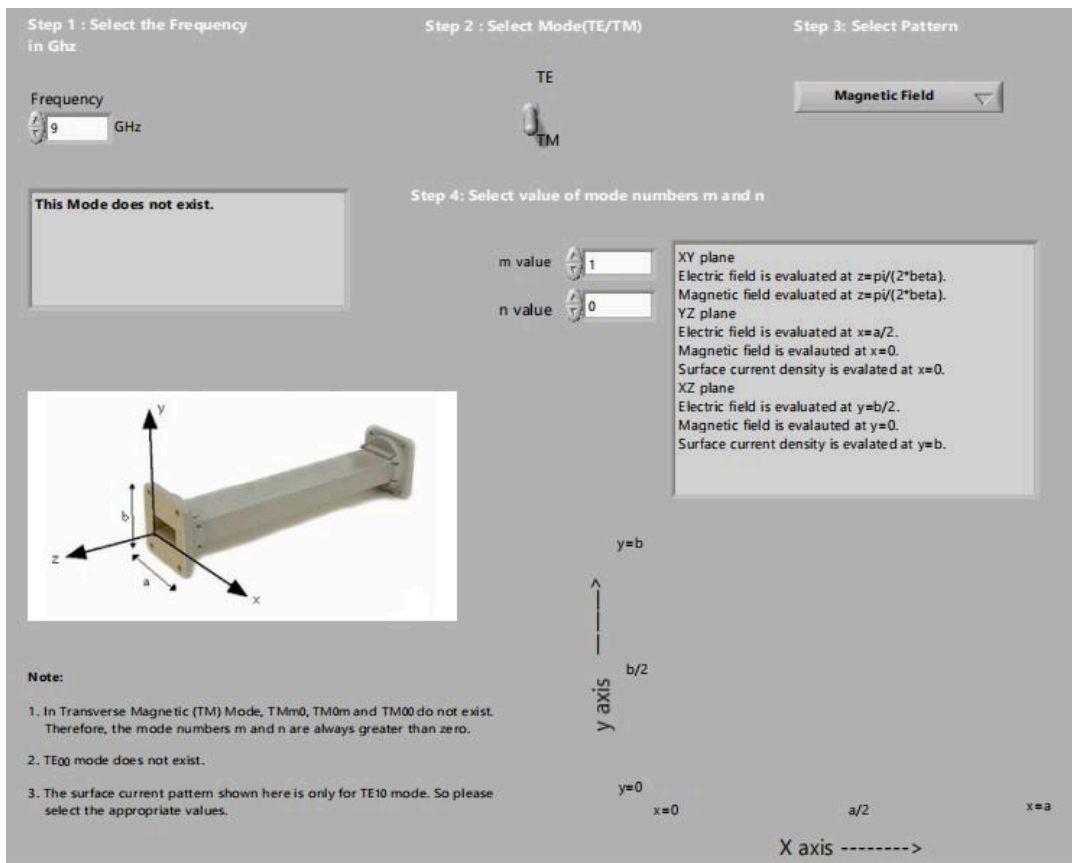


Figure 8:TM10 Magnetic field pattern

TM11 Mode

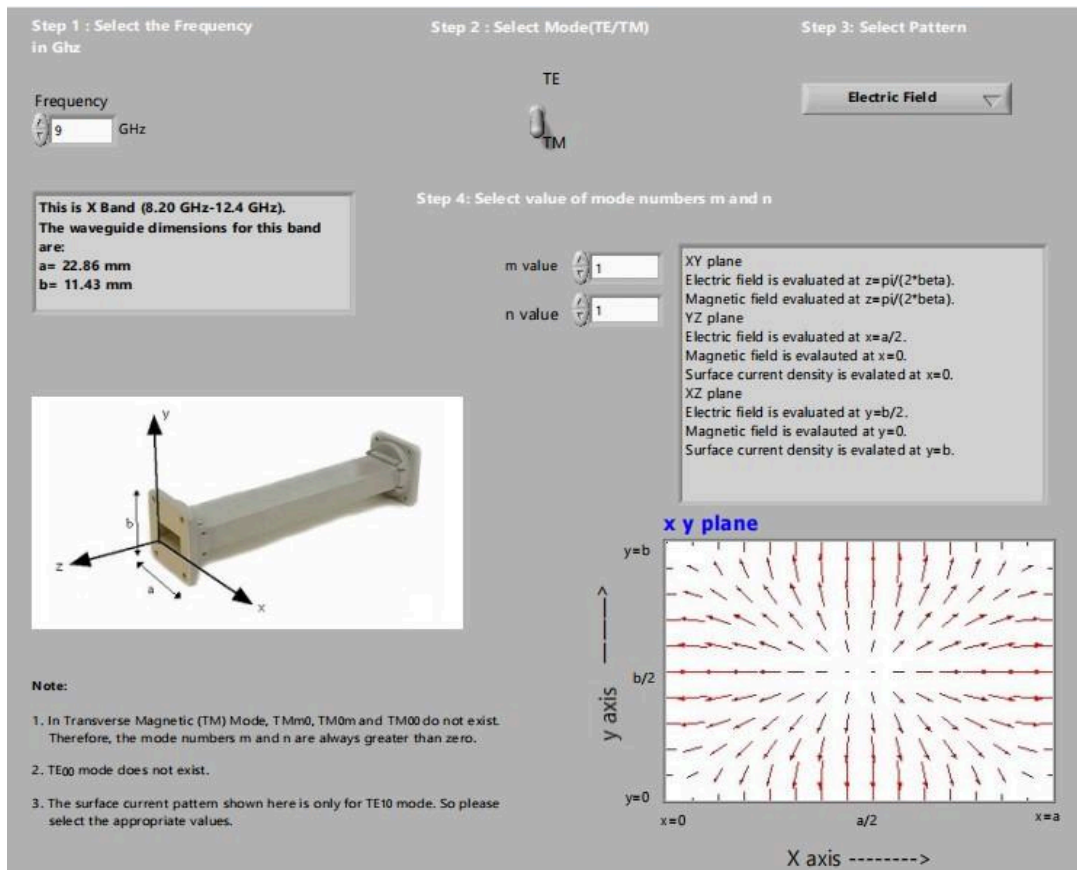


Figure 9:TM11 Electric field pattern

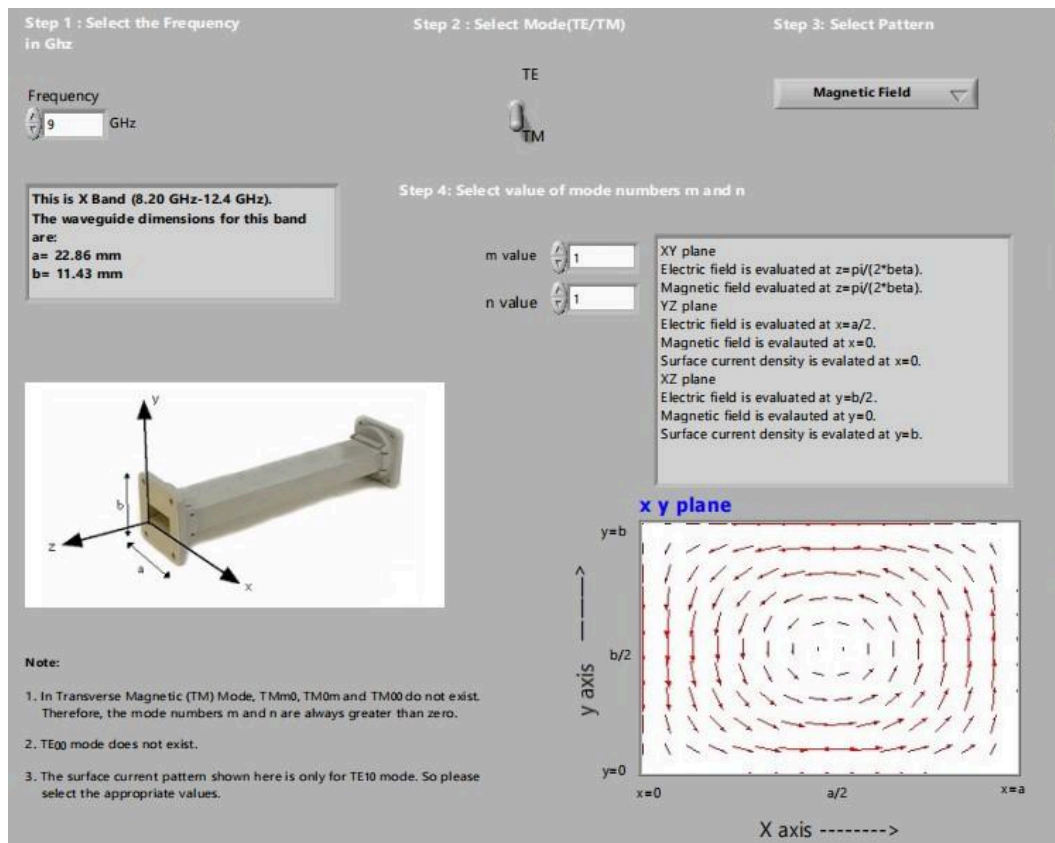


Figure 10:TM11 Magnetic field pattern

TM23 Mode

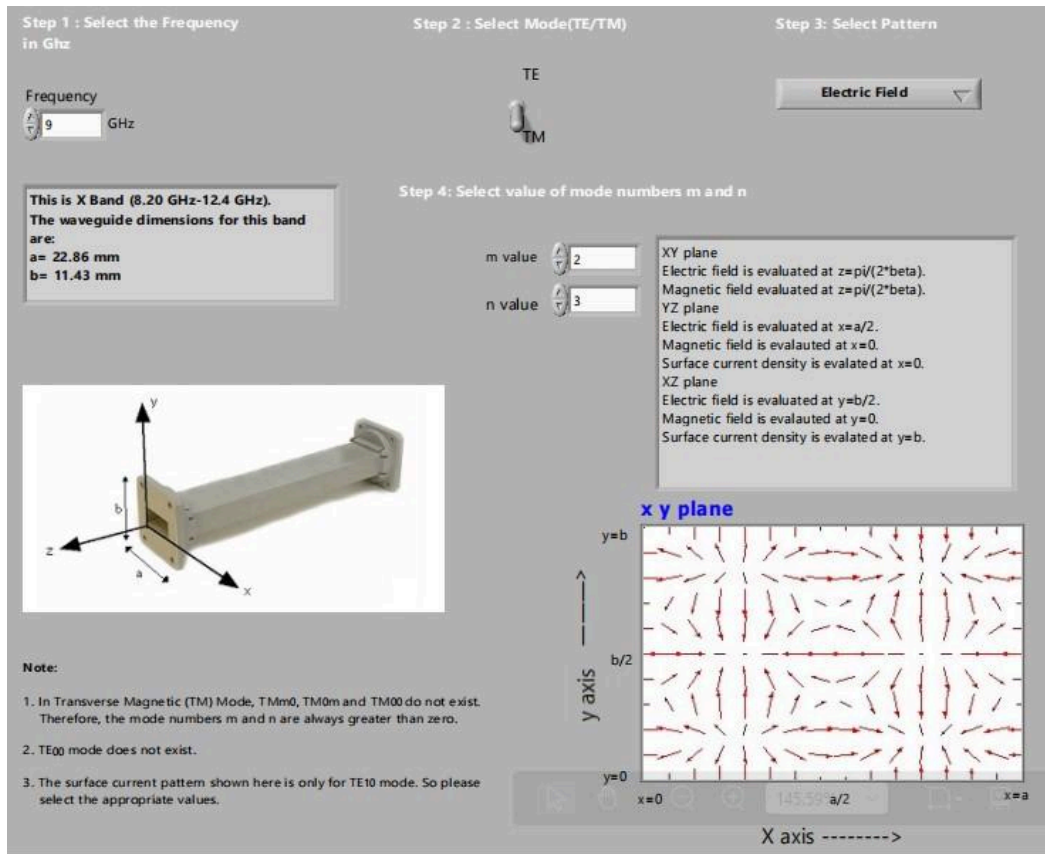


Figure 11:TM23 Electric field pattern

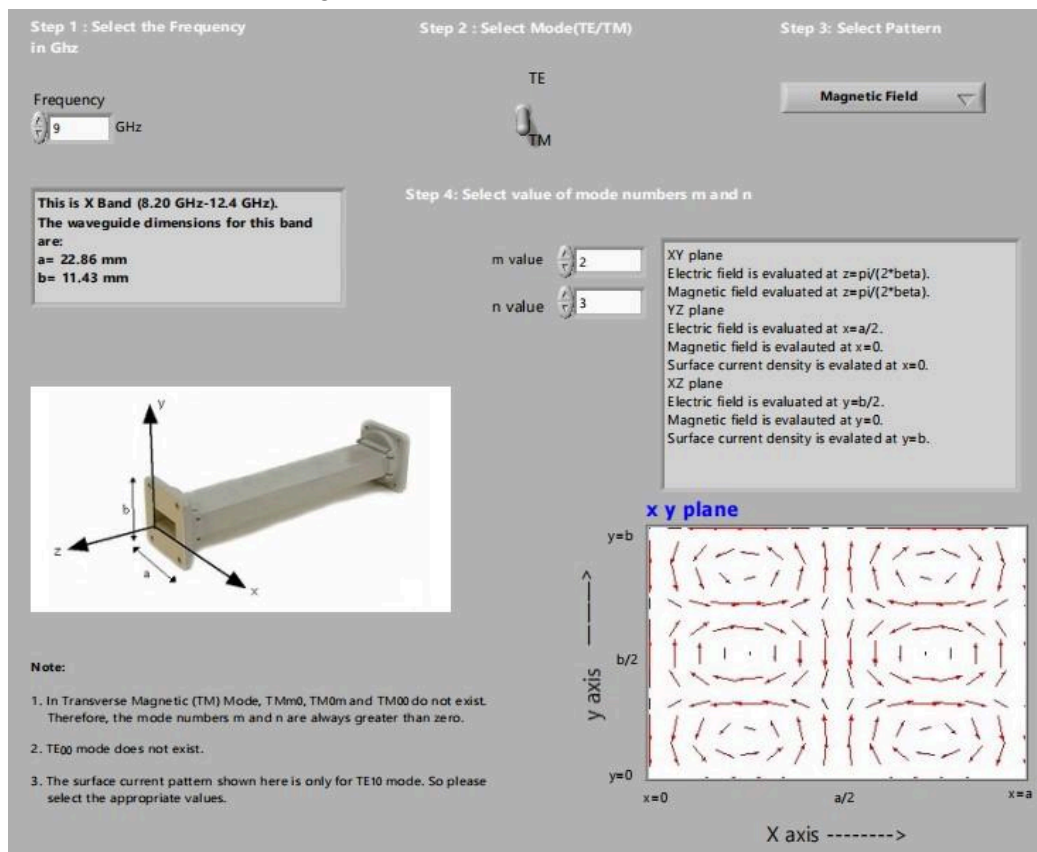


Figure 12:TM23 Magnetic field pattern