

Abstracts

Microwave Radiation from a Magnetic Dipole in an Azimuthally Magnetized Ferrite Cylinder (Short Papers)

R.S. Mueller. "Microwave Radiation from a Magnetic Dipole in an Azimuthally Magnetized Ferrite Cylinder (Short Papers)." 1986 Transactions on Microwave Theory and Techniques 34.7 (Jul. 1986 [T-MTT]): 828-831.

The electromagnetic radiation pattern from a ferrite coated dipole antenna is a torus with a point center. By deriving an expression for the far-field electric field and defining a form factor $F(\Theta)$, the dilations and contractions of the radiation pattern were evaluated and demonstrated graphically.

 [Return to main document.](#)