

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.

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