Abstracts

Radiation from Rectangular Waveguide with Ferrite Slabs (Correspondence)

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The problem of radiation from a rectangular waveguide completely filled with transversely magnetized ferrite has been discussed by Tyras and Held. The fundamental mode in a rectangular waveguide containing two transversely magnetized symmetrical slabs placed against the side walls has been discussed by Lax and Button, and numerous references to this subject have been made by several other authors. In the present communication we consider the radiation from the open end of a rectangular waveguide with two, ferrite slabs of different thickness placed against the side walls, magnetized by two, different static transverse magnetic fields, as shown in Fig. l.

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