Abstracts

Observation of a Doublet Ferromagnetic Resonance in Cubic and Hexagonal Ferrites at Millimeter Wavelengths

M.N. Afsar and H. Chi. "Observation of a Doublet Ferromagnetic Resonance in Cubic and Hexagonal Ferrites at Millimeter Wavelengths." 1990 MTT-S International Microwave Symposium Digest 90.2 (1990 Vol. II [MWSYM]): 737-738.

Ferromagnetic resonance from two individual magnetic sublattices of ferromagnetic materials has been observed for the first time in the laboratory. Separate g-factor (gyromagnetic ratio) values were then measured from the resonance experiment. A high signal to noise ratio millimeter wave broad band Fourier transform spectrometer and a high intensity field (140,000 gauss) d.c. magnet were utilized for this measurement.

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