

# Abstracts

## Microwave Characteristics of Bulk High-T<sub>c</sub> Superconductors

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*E. Belohoubek, A. Fathy and D. Kalokitis. "Microwave Characteristics of Bulk High-T<sub>c</sub> Superconductors." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 445-448.*

Currently most available high-T<sub>c</sub> bulk material is in disk form that does not lend itself readily to microwave loss measurements. This paper describes a resonant measurement technique using low impedance disk resonators. The configuration enhances the influence of conductor losses on the resonator Q and thereby permits the evaluation of disks as a function of temperature in a relatively simple test configuration with good accuracy. Measurements on bulk Y<sub>1</sub> Ba<sub>2</sub> Cu<sub>3</sub> O<sub>6+x</sub> material will be described with conductivities at X-band ranging up to 10 times that of Au at 65°K.

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