

Abstracts

Three-Axis Attitude Sensing on ATS-F/G Spacecraft (Abstract)

A. Kampinsky. "Three-Axis Attitude Sensing on ATS-F/G Spacecraft (Abstract)." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 195-195.

This paper describes the evolution of an R. F. microwave attitude, three axis, sensor specifically designed for the stringent angular accuracies and five-year longevity requirements of advanced Communications capabilities. The achieved instrument, is based upon the interferometric principle, however, with high angular accuracy ($3\sigma 3 \times 10^{-4}$ radians), stability, and with an inherent capability of uprating by one or more orders of accuracy for Earth Resources and Meteorological applications.

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