

Abstracts

RF Front End for Portable Satellite Terminal

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A briefcase portable satellite communication terminal was developed. The terminal enables fax, telex, or E-mail communication via the INMARSAT satellite system between any two points on earth. This paper describes the briefcase terminal front-end module. This super-component assembled on a single substrate demonstrates a transmit power of 30.8dBm and 2.5 dB receive noise figure. It is optimized for low cost, light weight and small size.

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