

Abstracts

Advanced 6/4 GHz Receiver for Space Application

L. Duque, S. Jarvis, G. Gatti and R. Dion. "Advanced 6/4 GHz Receiver for Space Application." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 483-486.

This paper describes an advanced 6/4 GHz satellite receiver developed in order to meet the extended WARC 79 frequency allocation needs. The receiver provides low-noise and very low level of in-band spurious signals over an extended 750 MHz bandwidth. This highly reliable receiver utilizes the state of the art packaged FET space qualified at the present time and meets very stringent requirements over a qualification temperature range of -5 to + 55°C. Details of the design and measured performance is given.

[Return to main document.](#)