

Abstracts

High Efficiency 4 GHz SSPA for Space Application

G. Gatti, G. Turgeon, L. Duque, J. Zaichkowsky and M. de Payrebrune. "High Efficiency 4 GHz SSPA for Space Application." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 319-322.

A high efficiency 4 GHz SSPA has been developed for on-board satellite application. The amplifier utilizes state-of-the-art internally matched devices that allow good performances and reduced alignment time. The obtained results make the substitution of the traditional TWTA highly convenient, in terms of reduced weight, increased reliability and improved RF performance.

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