

Ku-band Quadri-SSPA for Stentor satellite transmit active antenna

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This paper presents the architecture and the performance of a Ku-band Quadri-SSPA (4 RF amplifying channels) developed in the frame of Stentor French technological satellite for transmit active antenna application. Major technical advances in terms of technological features and RF performance (output power capabilities, DC power consumption and linearity) over a 13 unit lot (52 single SSPA) are highlighted.

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