

Abstracts

Microwave Activities for Satellite Communication in Sweden

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Microwave activities for Satellite Communication in Sweden started in 1965 with the development of a complete experimental 4-6 GHz all solid state transponder designated for the ninth flight of the Eldo launcher. This was a very ambitious entrance into a market where the Swedish contribution has never exceeded 1% of the world's total expenditure. Our contribution in the last few years has been aimed mainly at four areas. Propagation experiments in the 11-14 GHz band (OTS), Maritime and mobile communication, TV broadcast, Telemetry and telecommand antennas. This paper briefly reports on microwave technology specifically developed within the context of the areas mentioned above and also some results from related studies and experiments.

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