

Abstracts

A High Power Low Passive Intermodulation (PIM) UHF Duplexer for Space Application

C.M. Kudsia, K.R. Ainsworth, J. Heierli and F. Daniels. "A High Power Low Passive Intermodulation (PIM) UHF Duplexer for Space Application." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 437-439.

This paper describes the development of a high power, low passive intermodulation (PIM) UHF duplexer to determine the feasibility of such a unit for space application. Tests carried out on the final prototype model demonstrate low loss, high power handling in vacuum (>200 watts) and low PIM - thus establishing it as a candidate design for the multi-purpose UHF satellite currently under consideration by the Canadian Government.

[Return to main document.](#)