

# Abstracts

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

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*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.

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