



CONTRIBUTION TO THE DESIGN OF TUNABLE MULTIPLEXERS

Reducing clutter and gain the flexibility.

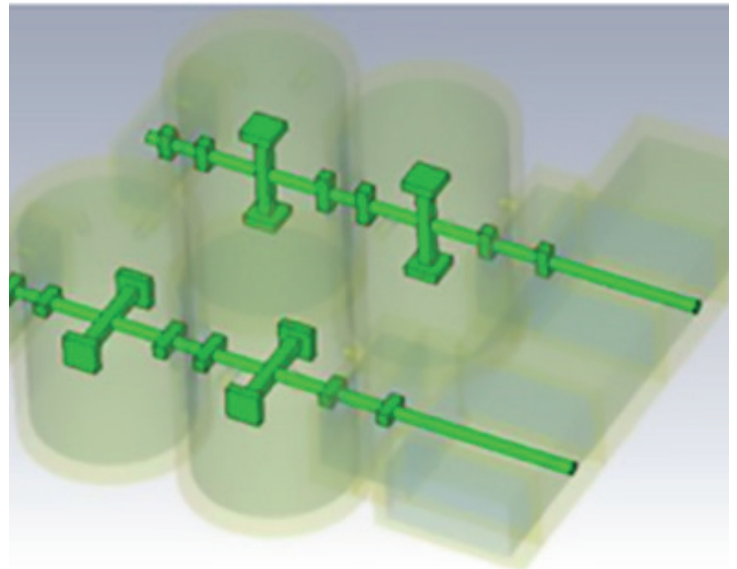
Technological benefits

Economical

Reduction in the size and mass of the multiplexers within a payload resulting in reducing the number of filters required.

Flexible

Tunable filters in central frequency and / or bandwidth. Integration of tuning elements to the filtering structures to enable flexible management of frequency resources on board and simultaneously adapt these filters to the multiplexers.



Reducing the number of filters required.

Invention overview

The invention is to add control components that perform the frequency flexibility function while not degrading the electrical performance of the filters within the multiplexers.

Commercial benefits

Economical

Flexible management of frequency resources and reduction of manufacturing costs.

Potential applications

In transmitters, transponders of space systems or terrestrial communication networks.

TRL : 5/6

Invention available under license.