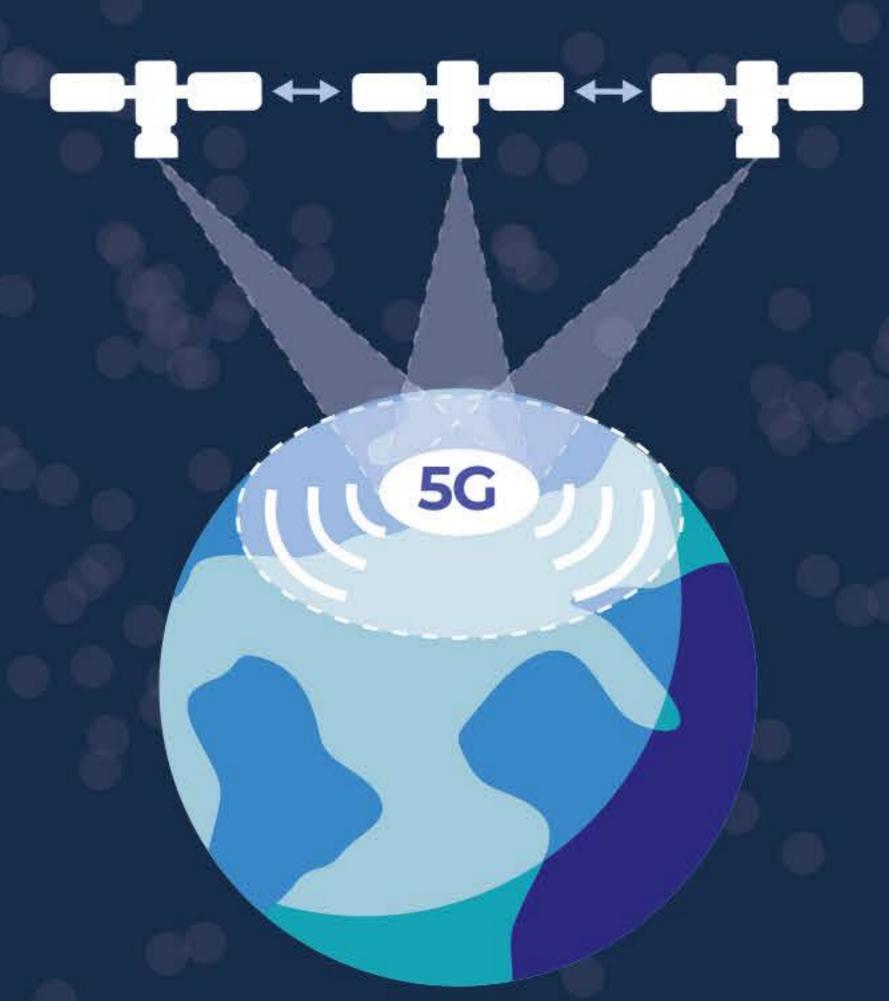


DYNAMIC SPECTRUM SHARING AND BANDWIDTH EFFICIENT TECHNIQUES FOR HIGH-THROUGHPUT MIMO SATELLITE SYSTEMS

CONCEPT

NGSO-based satellite access technology



KEY DESIGN PRINCIPLES

Minimising the impact on the bill of material of mass-market user equipment.

Minimising the impact on 5G network infrastructure.

Being able to scale the capacity with the traffic demand.

INNOVATION POTENTIAL

BUSINESS

Enabling 5G satellite access to offer affordable service will open a new market to the space industry.

SERVICE

Increasing the sustainable data rate and reduced latency will offer a higher quality of service.

ECOSYSTEM

Spinning in cellular technologies in 5G satellite access will encourage investment in customized products and fuel a new cycle of innovation.

STANDARDIZATION

SSupporting standardization of NTN and DYNASAT outcomes in 3GPP will provide a harmonized solution based on 5G and 5G-Advanced New Radio.



