

# DYNASAT



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

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



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