



5G RECORDS

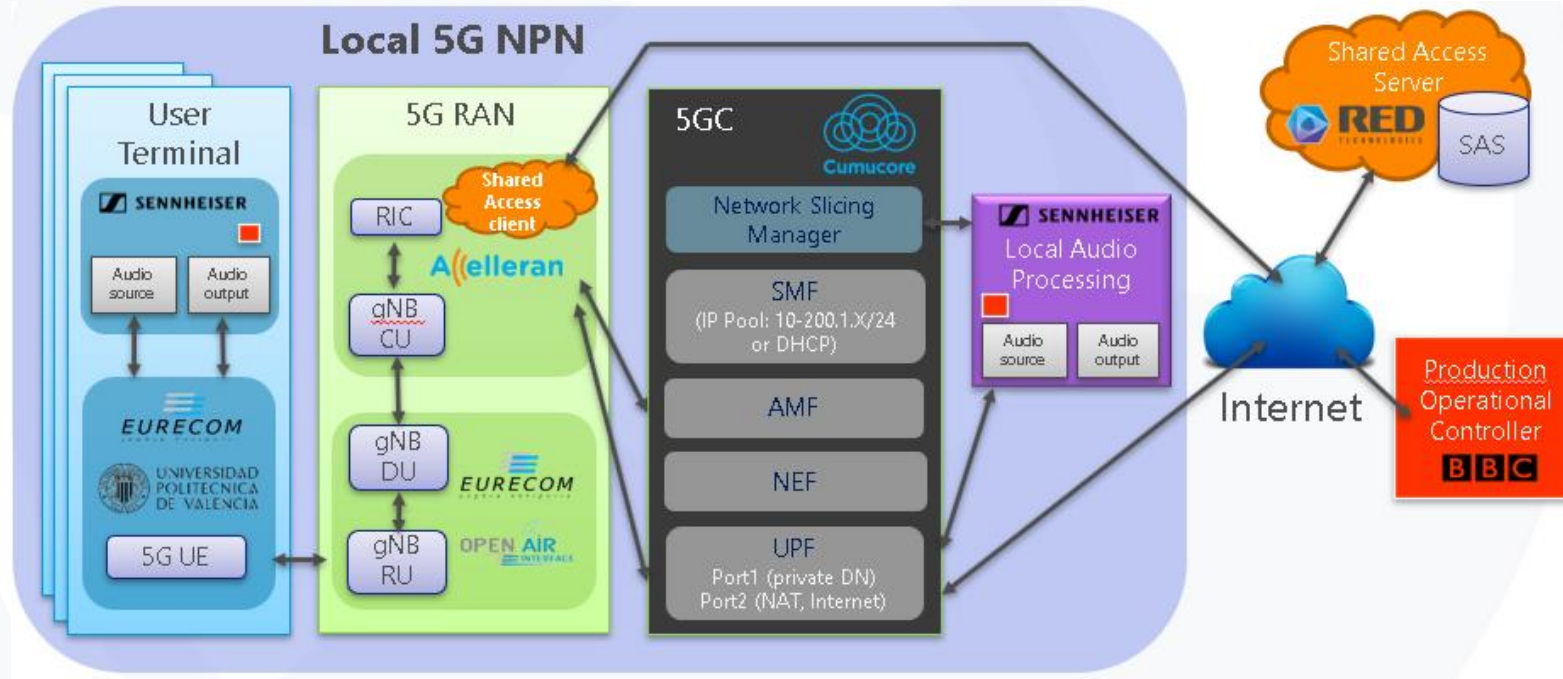


Spectrum sharing for PMSE

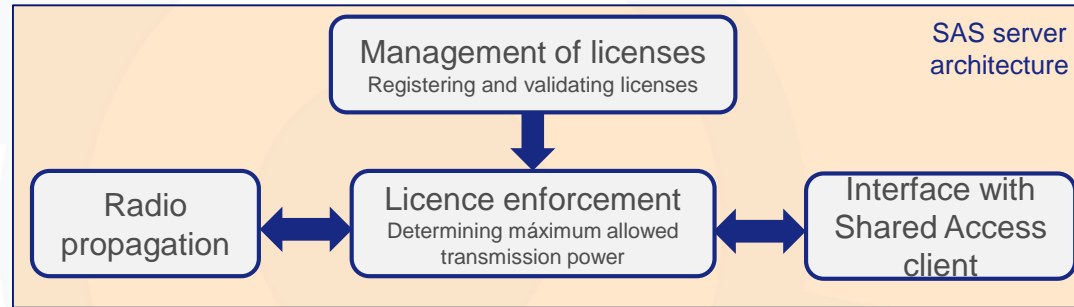
ICT-42-2020

5G core technologies innovation

Use case overview



Spectrum sharing component

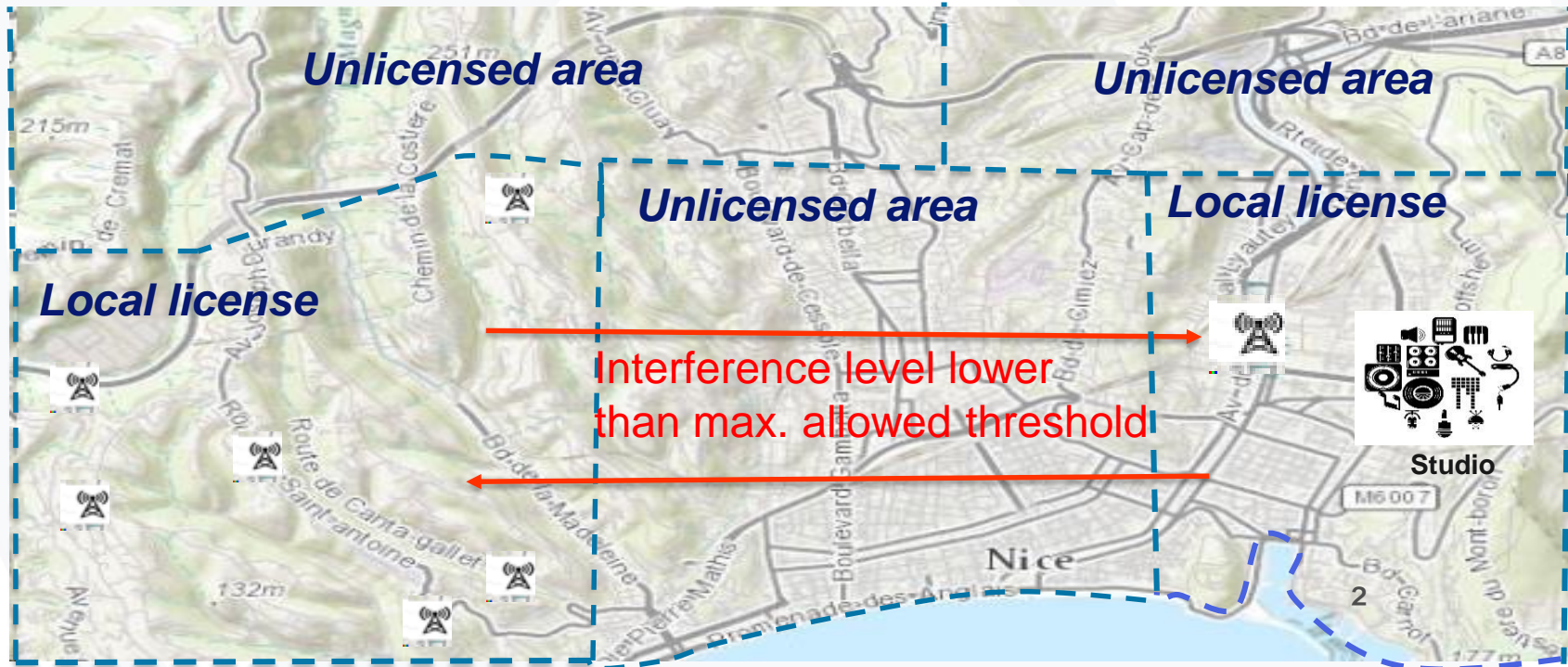


Access to frequencies used by the PMSE devices in this use case is not based on exclusive licenses. Instead, **spectrum** can be **dynamically shared** over time, space and frequencies. This enables to optimize spectrum utilization.

In order to ensure a guaranteed quality of spectrum, a given user shall not be interfered more than a pre-defined threshold by other nearby users. The SAS server is responsible for determining the maximum allowed transmission power of each device.

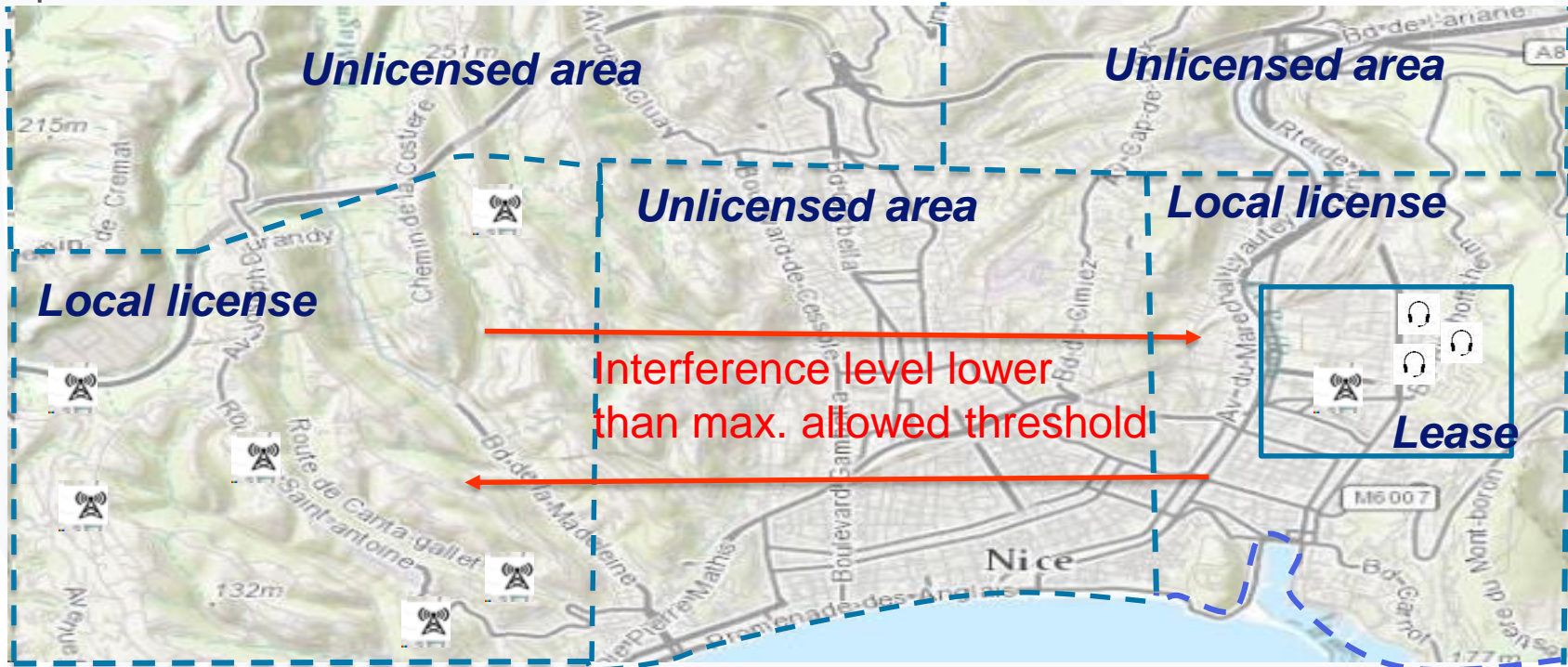
Local license scenario

The local license enables access to '5G' spectrum by a local licensee (e.g., a weekly live production event in a production studio).

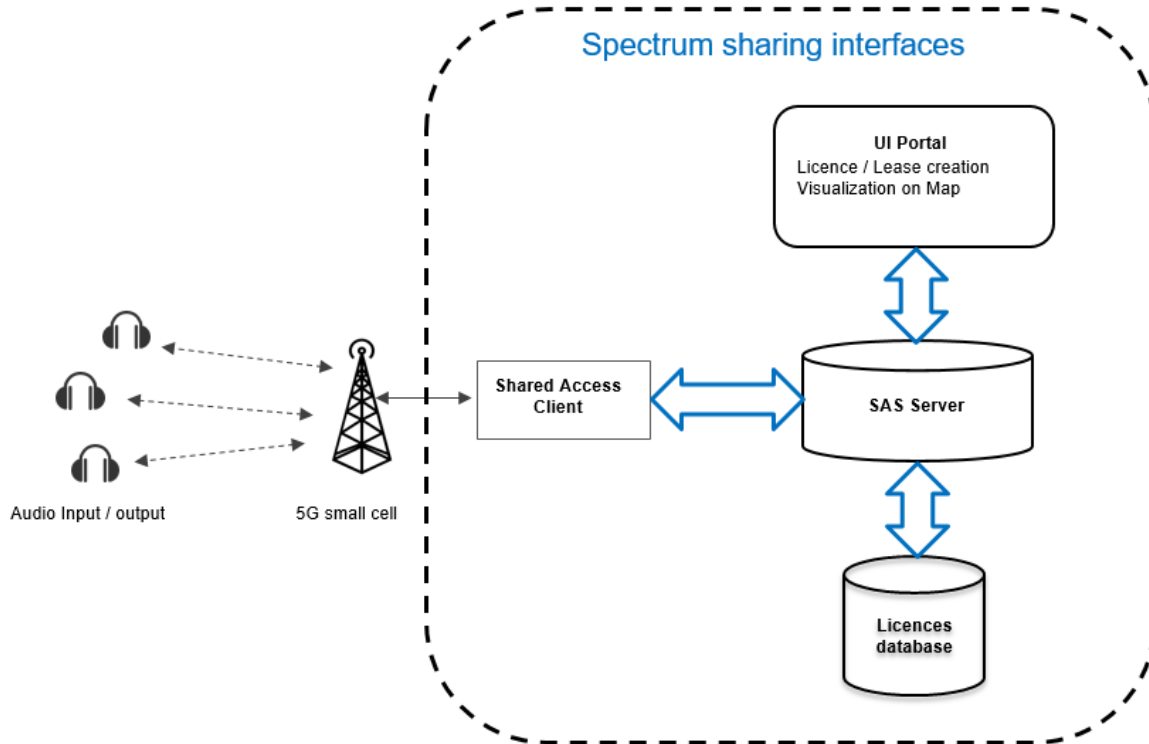


Scenario based on lease

In this scenario, the lessee is the production event organizer (e.g., a summer jazz festival in the South of France). The lessor can be either a local licensee or an MNO who has available spectrum at the time and location of the event.



Interfaces





Thank you