

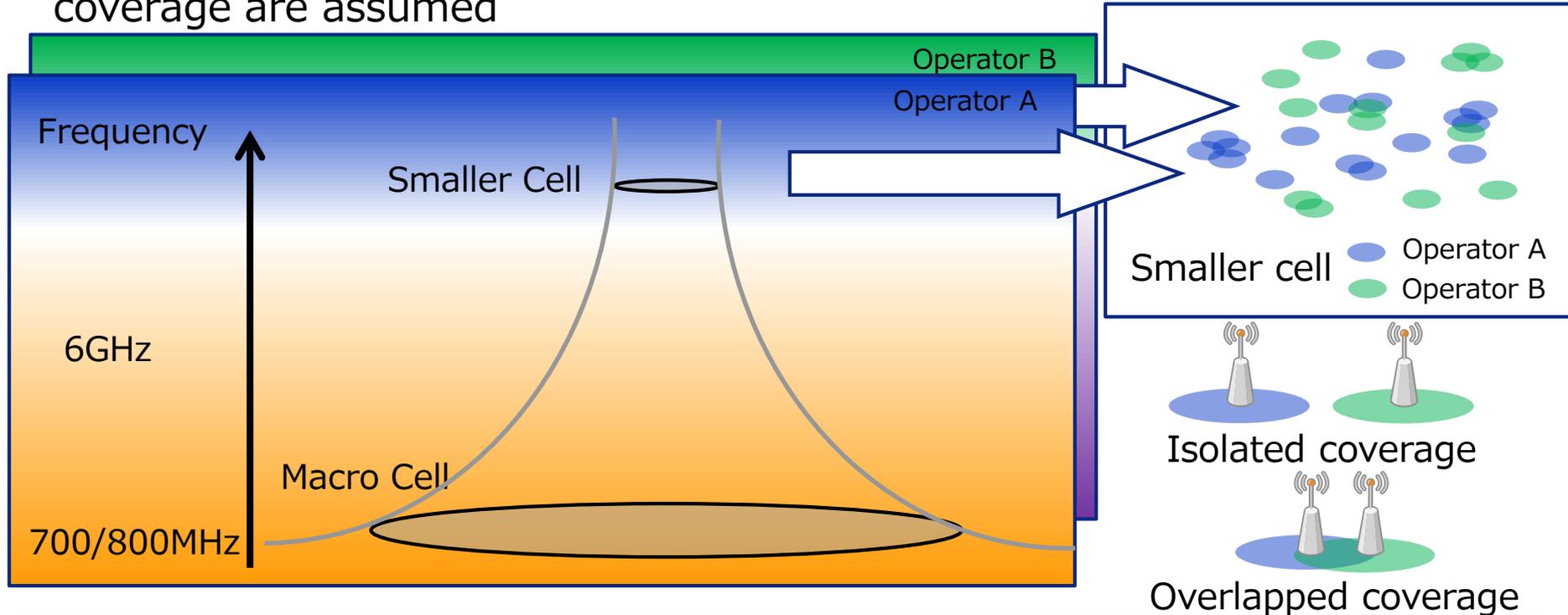
5G Vision

3GPP RAN workshop 2015/9/17-18

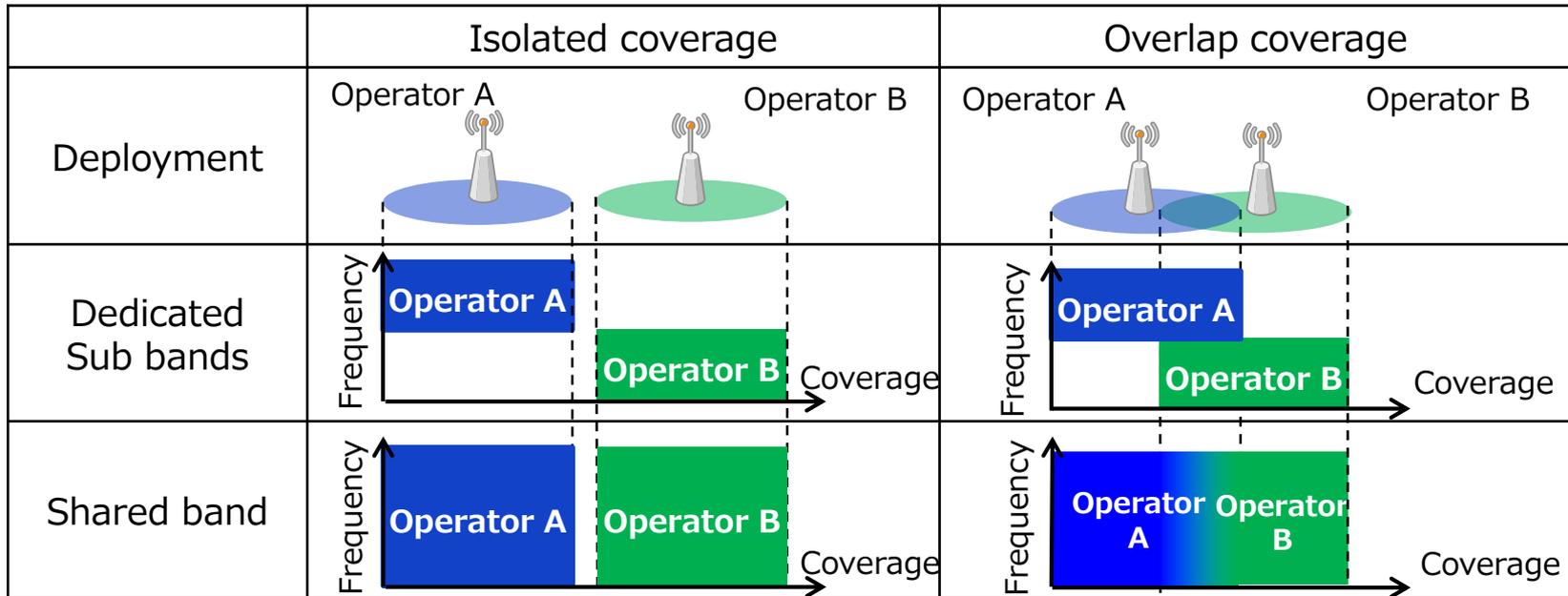
KDDI Corporation



- Using higher frequency, cells become more smaller. As a result, isolated coverage is more assumed
- And depending on operators' deployments, both isolated and overlapped coverage are assumed

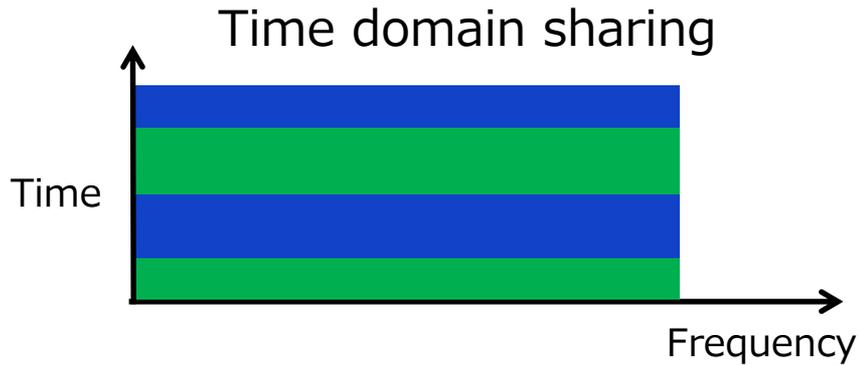
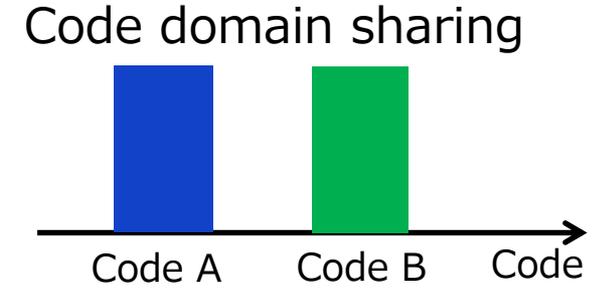
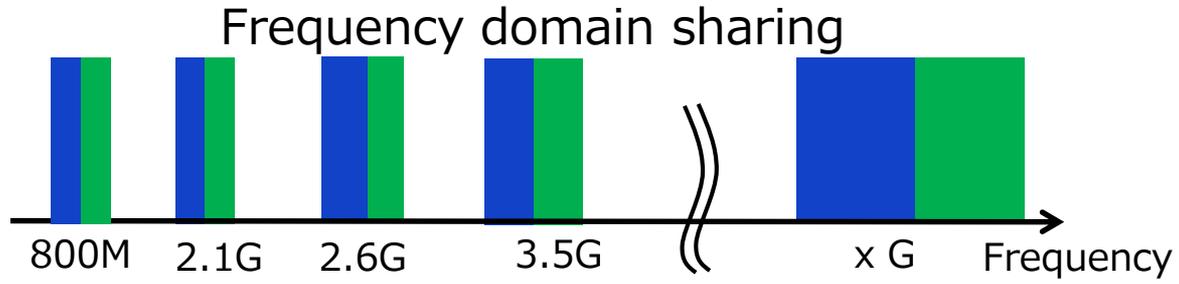


- Shared band is beneficial in the isolated coverage, because whole wide bandwidth can be utilized by one operator
- In the overlapped coverage, shared band provides more flexible and efficient spectrum utilization in various conditions and situations

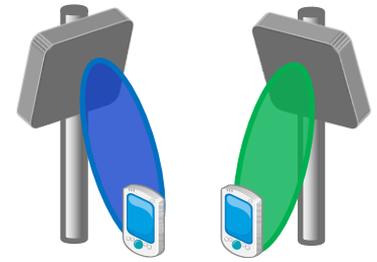


Basic sharing methodology

- Frequency, time, space and code domain sharing
- Also combinations of above domain sharing can be considered



Space domain sharing



3gpp RAN should study shared band mechanism in higher frequency ;

- Assume use cases and classify them
- Identify the frequencies for shared band and deployment scenarios, requirements
- Design the technologies for shared band
- Provide technologies to the market