



sky

Center for White Space Communication
Bo Olofsson
Director, Product Research Group
BSkyB

Benefits and needs

- General need for more spectrum
 - Global trend in freeing up more UHF spectrum for data (previously 800 and now 700MHz)
 - Ensure spectral efficiency so UK plc does not become disadvantaged globally in medium/long term
- Need a balance between licensed and unlicensed spectrum
- Opportunity to develop innovative solutions to ensure UHF interleaved spectrum is utilized more efficiently



Use cases

- Rural broadband
- Internet of things
- Outdoor hotspots
- In home networks



Next steps 1

- Industry Cooperation
UK Dynamic Spectrum Access Programme Group
- Industry led testing of co-existence
 - Assess coupling losses, validate protection margins
 - Real life vs. theoretical and/or lab testing incl test
- Database definition and testing
- End to end demonstration



Next steps 2

- Regulatory process needs to be moved forward
- International eco system developed
- Deploy successful commercial systems

