

# Shared Access Licence Review- Update

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# Shared Access headlines

## Uptake so far

- 1676 licences on issue
- Most new licences continue to be in 3.8-4.2 GHz band.

## Developments

- Consultation on 26 & 40 GHz award (including SA) closed 22 May.
- Shared Access CFI closed 16 May.
- Poland has announced it is going to allocate 3.8-4.2 GHz for local/private mobile in a similar way to the UK. This follows on from Norway.
- Spectrum sandbox workshop took place on 16<sup>th</sup> February, 2023

## Future

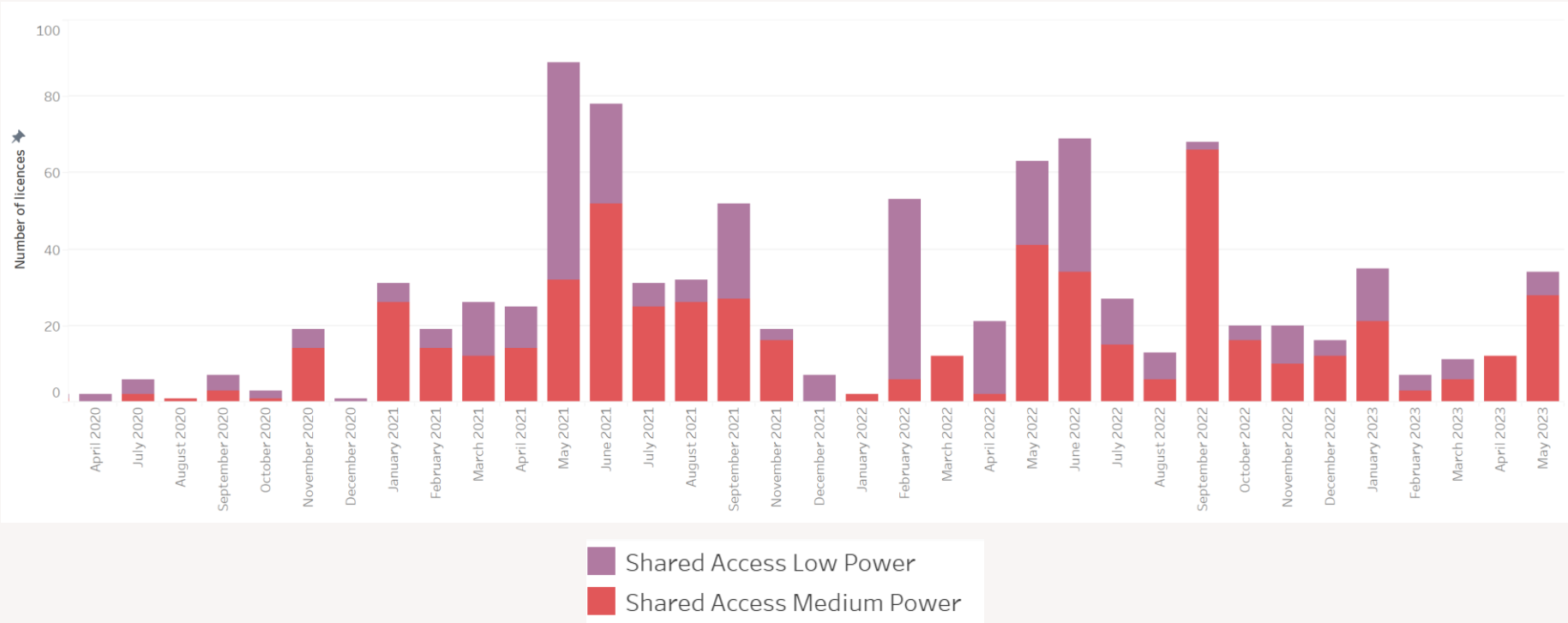
- Continuing to explore potential options for spectrum sandboxes
- Analysis of Call for Input responses

# Shared Access Licence uptake



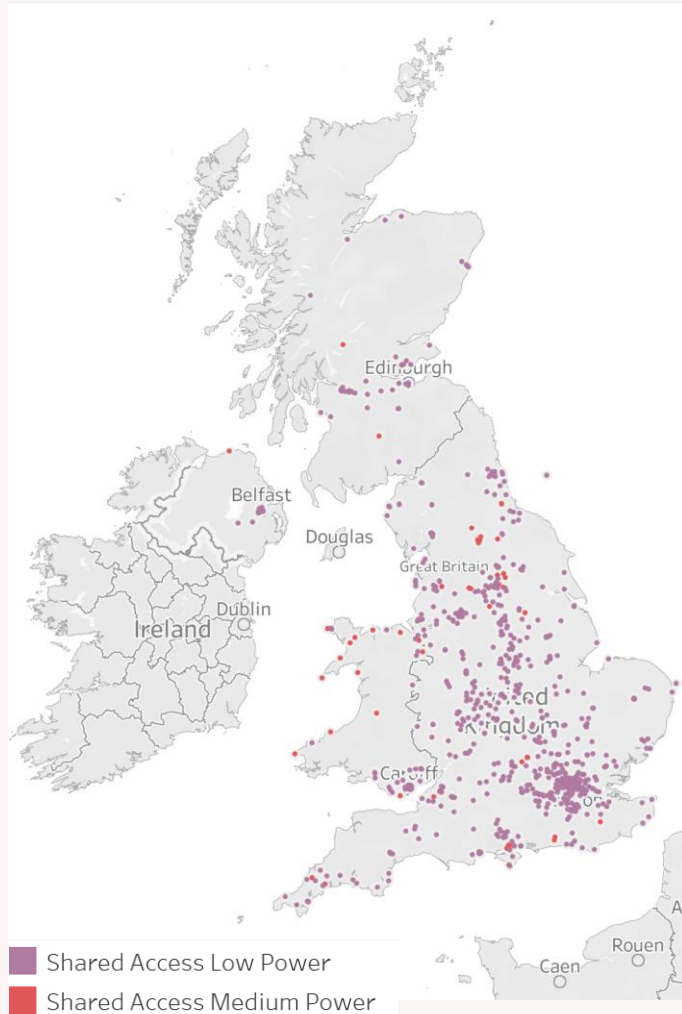
# Uptake

	1800 MHz	2390-2400 MHz	3.8-4.2 GHz	26 GHz	Total
Low Power	893	32	184	1	1110
Medium Power	95	-	470	-	565
Total	988	32	654	1	1676



# Licence distribution

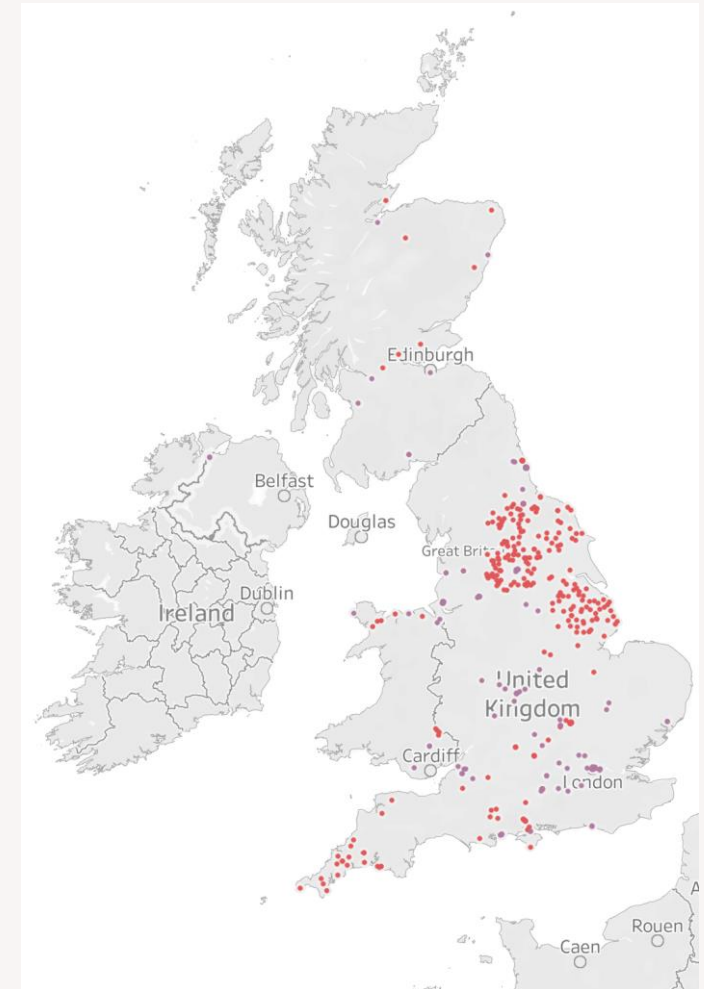
1800 MHz



2390-2400 MHz



3.8-4.2 GHz



# Shared Access Licence CFI

# Demand



Future Demand



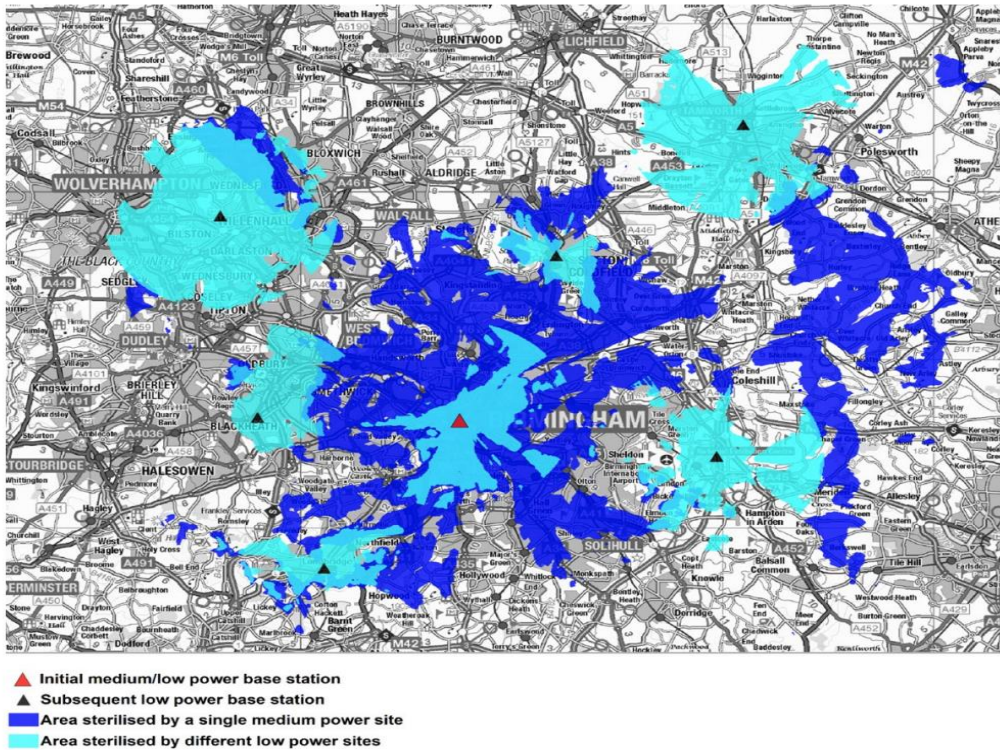
Future Use Cases



Elements of use cases that challenge the current framework



# Power Levels and Exceptions



*This image shows a hypothetical initial Shared Access base station (red) in Birmingham city centre, at medium power (dark blue) and low power (light blue).*

*The medium power sterilisation area would preclude the additional 6 low power base stations (in black).*

*Note that the gaps in the area sterilised by the medium power base station reflect the impacts of terrain and clutter.*



Restrictions on medium power in urban areas



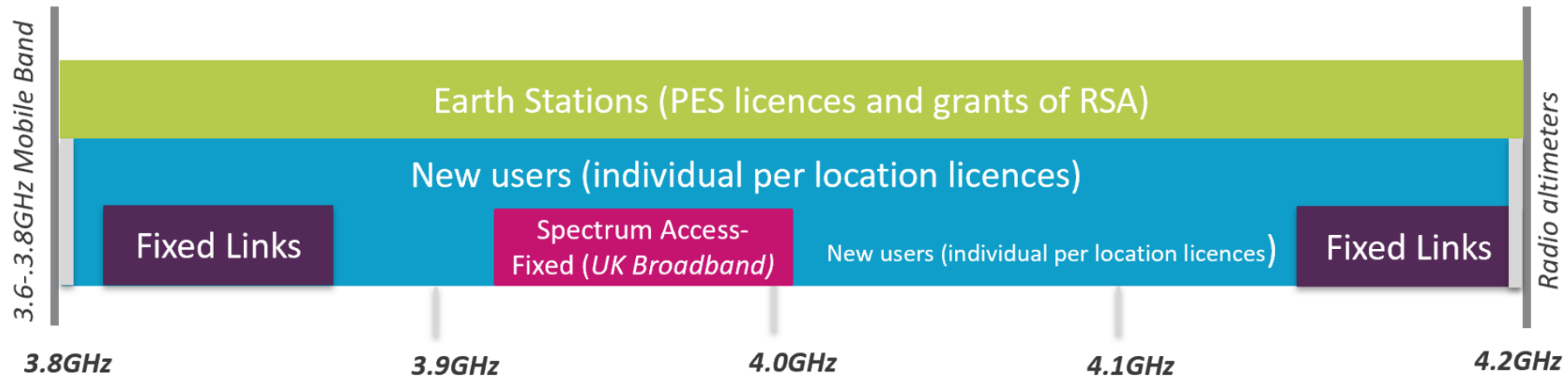
Scenarios where using a higher operating power may bring benefits



Exceptions Process



# Coexistence and Licensing



Ease of licence application

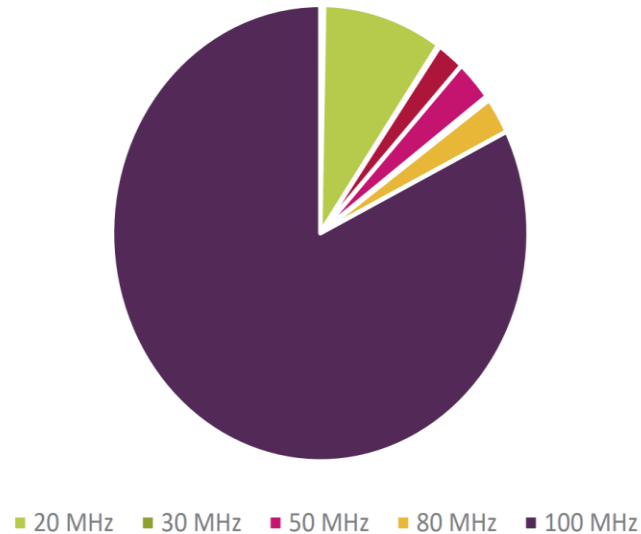
Coordination approach

New technologies that can support coexistence

General comments

# Equipment and Spectrum Supply

Figure 1.5: Analysis of the bandwidths (in MHz) of issued licences in 3.8-4.2 GHz<sup>9</sup>



*We have seen a significant demand for large bandwidths, compared with the smaller 20-40 MHz we anticipated might be most common in our initial statement.*

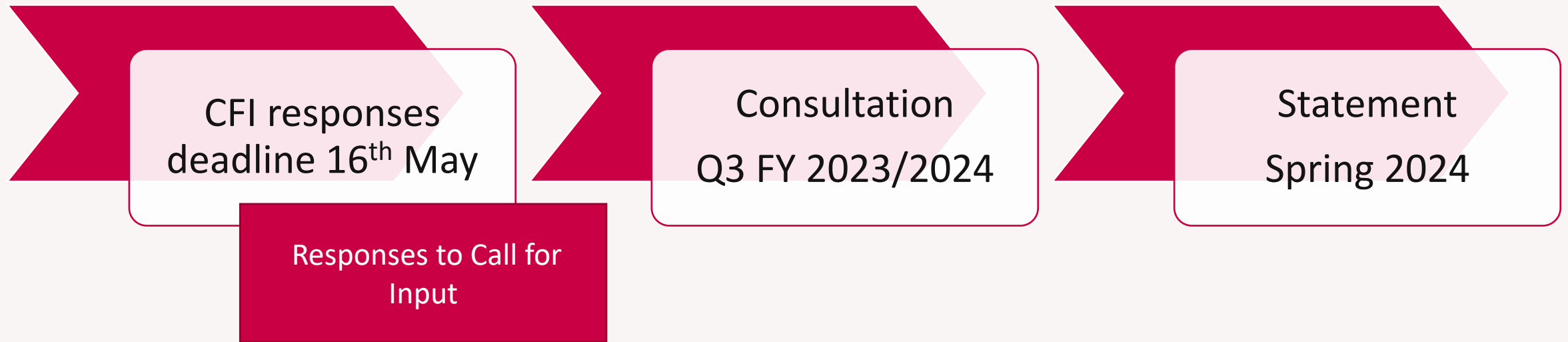
*We also know that some vendor equipment may not currently support the full 3.8-4.2 GHz band (though believe this situation is improving).*

*When combined with pre-existing users of the band, we are considering if this may leave new users with limited room for manoeuvre in some areas*

Equipment availability

Suitability of existing spectrum for use cases + bands we propose to add to the framework

# Shared Access Licence Review Timelines



# Next Steps



Reviewing Call for Input responses and continuing engagement with industry and stakeholders where appropriate



Conducting internal analysis and developing consultation position



Publish responses where we can