



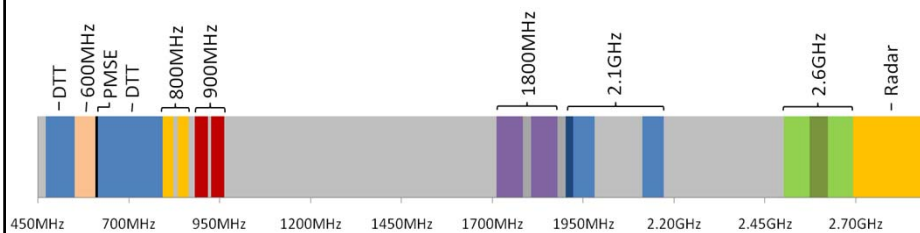
# Award of 800 MHz and 2.6 GHz spectrum

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## Overview of mobile spectrum bands



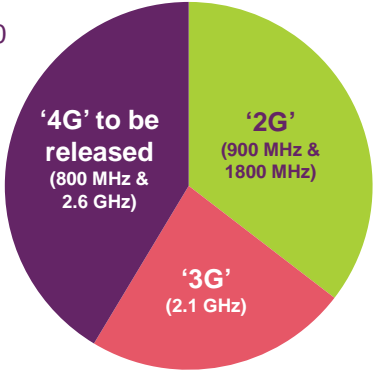
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### What spectrum is being auctioned?

- 800 MHz and 2.6 GHz bands
- Equivalent to three quarters of the mobile spectrum in use today
- 80% more than was auctioned in 2000
- 800 MHz available across much of UK from end of 2012, expected to be available across all of UK by end of 2013 (following DSO, and clearance of channels 61, 62 and 69)
- 2.6 GHz band likely to be available on similar timescale – during 2013

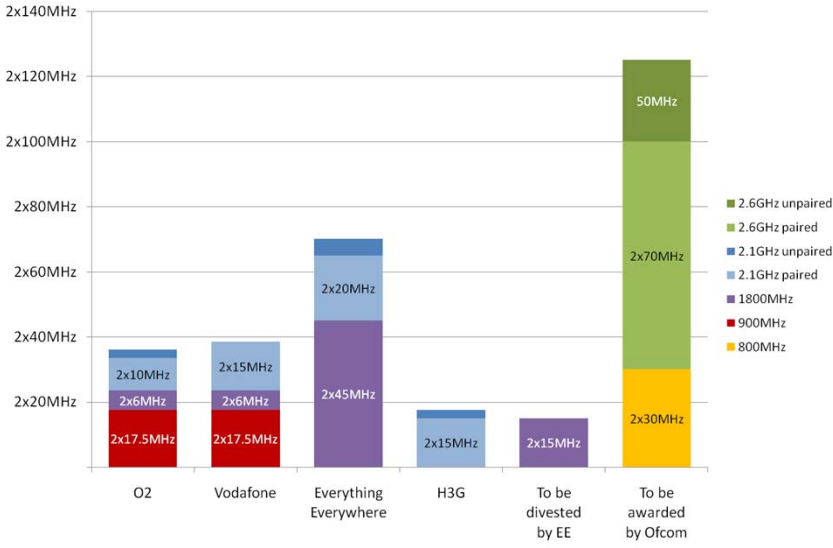


The pie chart is divided into three segments: a large purple segment for '4G' to be released (800 MHz & 2.6 GHz), a green segment for '2G' (900 MHz & 1800 MHz), and a red segment for '3G' (2.1 GHz).

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### Who holds what today?



The stacked bar chart shows spectrum holdings in MHz for various entities. The y-axis ranges from 0 to 2x140MHz. The legend includes: 2.6GHz unpaired (dark green), 2.6GHz paired (light green), 2.1GHz unpaired (dark blue), 2.1GHz paired (light blue), 1800MHz (purple), 900MHz (red), and 800MHz (yellow).

| Entity                 | 800MHz  | 900MHz    | 1800MHz | 2.1GHz paired | 2.1GHz unpaired | 2.6GHz paired | 2.6GHz unpaired |
|------------------------|---------|-----------|---------|---------------|-----------------|---------------|-----------------|
| O2                     | 0       | 2x17.5MHz | 2x6MHz  | 2x10MHz       | 0               | 0             | 0               |
| Vodafone               | 0       | 2x17.5MHz | 2x6MHz  | 2x15MHz       | 0               | 0             | 0               |
| Everything Everywhere  | 0       | 0         | 2x45MHz | 2x20MHz       | 0               | 0             | 0               |
| H3G                    | 0       | 0         | 0       | 2x15MHz       | 0               | 0             | 0               |
| To be divested by EE   | 0       | 0         | 2x15MHz | 0             | 0               | 0             | 0               |
| To be awarded by Ofcom | 2x30MHz | 0         | 0       | 0             | 0               | 2x70MHz       | 50MHz           |

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## What are our objectives?

- To secure the best use of this spectrum **for the benefit of UK citizens and consumers**
- To **promote competition, encourage investment** and **deliver wide coverage of services**



## What else is happening?

- 2G licences already changed to allow 3G to be deployed
- Looking at changing to allow 4G (LTE or WiMAX) to be deployed
- 3G licences have been extended (with additional obligations)
- Considering possible 4G coverage obligation
- Chancellor has announced £150m to be invested in improving existing mobile coverage

## Timeline

- Aim to publish further consultation on competition assessment and proposed auction rules around **end of this year**
- Aim to make decision and publish statement around **middle of next year**
- Aim to **start auction in 2012**, although may not complete until sometime in 2013
- Spectrum starts to become available from beginning of 2013, but will not be available across whole of UK until **later in 2013**

## For further information see

- <http://stakeholders.ofcom.org.uk/consultations/combined-award/>