

New mobile generations have appeared about every ten years since the first move from 1981 analogue (1G) to digital (2G) transmission in 1992.



**1973**

The first public wireless phone call is made by Dr Martin Cooper of Motorola.



**1979**

First cell phone service, The world's first cellular telephone service started in Japan. This was a carphone only service.



**1982**

Mobile phone opportunities open up with the approval of mobile telephone systems and allocated analogue frequencies for use by the network.

## The advent of 1G

**1983**

First hand portable mobile phone. Motorola launched the DynaTAC 8000X phone.



**1985**

UK ETACS system launched by Cellnet and Vodafone.

## The advent of 2G

**1991**

First GSM phone the Orbitel TPU 900 is released.



**1992**

Orbitel achieved another first when Neil Papworth sent the world's first text "Merry Christmas" to Vodafone director Richard Jarvis.

**1993**

The IMB Simon phone is released with the beginnings of smartphone technology.



**1997**

Mercury One2One realised the potential of phones without a contract and announced the first digital pay-as-you-go service 'Up 2 You' in October

**1999**

In February 1999 Nokia announced the world's first phone with a WAP (Wireless Application Protocol) browser, the Nokia 7110. It was the first phone capable of browsing the internet.



## The advent of 3G



**2000**

The Sharp J-SH04, launched in November 2000, was the world's first commercially available camera phone. The only snag: you could only use it in Japan.

**2001**

The Mitsubishi Trium Eclipse was the first phone to offer a full colour display in the UK.



**2003**

In March Hutchison launched the UK's first 3G service, '3'.

## The advent of 4G

**2007**

Steve Jobs announced the Apple iPhone to the world



## The advent of 5G



**2013++**

Samsung announces it has successfully developed the world's first adaptive array transceiver technology operating in the millimeter-wave Ka bands for cellular communications.