

Handover in DVB-H

Investigations and Analysis

“European industry has already developed successful standards in the past, and I am very confident that on the basis of DVB-H, Mobile TV services can develop the economies of scale they need to take up across Europe and around the world,” With these words of EU’s Telecom Commissioner Viviane Reding, DVB-H is destined to be a dominating mobile TV technology in Europe and even in the world. I was first getting in touch with the DVB technology when I was doing my PhD research in Brunel University in UK in 2002. At that time DVB-T was already a mature and widely used digital broadcast technology and anyone could easily buy a DVB-T receiver in the market to try the digital broadcast signals that have been already broadcasted in UK since 1998. Then the DVB technology world changed dramatically. As a more flexible and robust terrestrial broadcast system targeting handsets, DVB-H was developed based on DVB-T. In 2003 the DVB-H community were continuously working to finalize the standard. Finally in November 2004 DVB-H was adopted as an ETSI standard EN 302 304. I was lucky to see all these changes when I was doing my PhD research in DVB technology. And I was very proud to be involved in the different DVB-H research projects since the beginning of the DVB-H standard development stage. I was also lucky enough that I am one of the first persons who finished PhD degree by focusing on DVB-H research.

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