

At the 3GSM exhibition in Barcelona, PROMAX will introduce its new products for **DVB-H**. The **Digital Video Broadcasting - Handheld** is a new standard based in an **IP** platform focus on mobile terminals. The system combines the advanced video and audio compression systems with the **DVB-T** transmission, this is to say the **Digital Terrestrial Television standard DTT**.



In our stand we will show a new system for generation and recording of MPEG-2 and MPEG-4 streams, DVB-H modulators and measuring equipment for the transmission and test of the signal quality.

The **DVB-H** modulators accept transport streams with encapsulated IP packets and 8, 7, 6 and 5 MHz bandwidths for both MFN and SFN networks.

Solutions for the monitoring and mapping are also possible.

The DVB-H is totally compatible with DVB-T but, in addition it has some features to optimise the use in mobile environments with low consumption handheld receivers. Like DVB-T, the DVB-H uses 8,7 and 6 MHz channels, but also shows 5 MHz bandwidth.

The main differences with DVB-T are:

- **Low consumption**

The concept of Time-Slicing is introduced to reduce the consumption of the terminals and allow the use of the technology in portable devices. This system allows the unit to stand by for most of the time, allowing a drastic reduction on the consumption.

- **Handover**

During the Time-Slicing period, the receiver can scan other frequencies and switch to another source (handover) when the best signal reaching the terminal changes.

- **Improvement of reception**

Due to the small size of the antenna implemented in the small portable terminals using these standards, there is an additional error correction system MPE-FEC (*Multi Protocol Encapsulation/Forward Error Correction*).

- **4k modulation**

This modulation mode is composed of 4096 QAM carriers. This mode represents the best compromise between quality of reception in movement and size of the network.



Visit us at the 3GSM

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Hall 2 Level 1, Stand 2.1 D59

<http://3gsmworldcongress.com>

