DVB-T2-LITE MAKES IBC DEBUT

New Profile Optimizes DVB-T2 for Reception on Mobile and Portable Devices.

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Amsterdam – 09 September 2011 – DVB is proud to unveil its new DVB-T2-Lite profile at this year’s IBC. DVB-T2-Lite is a new feature of DVB-T2, the world’s most advanced DTT system. The new profile pares down DVB-T2 parameter settings to what is required for mobile and portable reception. The result is a very efficient mode that enables the complexity of the receiver chips to be reduced by 50 percent, which in turn reduces receiver costs. It is easy and cost-effective to implement T2-Lite into an existing DVB-T2 infrastructure.

The chip size required for a T2-Lite demodulator is about 50 percent of that of a DVB-T2 demodulator, which makes it ideal for small mobile devices. Another important feature is the power-saving that is achieved by the inherent time slicing capability provided by Multiple PLPs.

The core element of the new profile, and indeed in all DVB second-generation standards, is the excellent robustness achieved through the use of OFDM (Orthogonal Frequency Division Multiplex) modulation and LDPC (Low Density Parity Check) code rates. Two other key technologies are Multiple Physical Layer Pipes (M-PLP) that allow for the mixing of multiple services with different robustness settings in one multiplex, and Future Extension Frames (FEF). The FEF mechanism allows DVB-T2 and DVB-T2-Lite signals to be transmitted in one RF channel, but with each using different modes and levels of robustness. Both profiles can also be transmitted separately.

During IBC, the DVB stand is featuring a live, over-the-air demonstration of DVB-T2-Lite combined with DVB-T2 in the same RF channel.
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About DVB
Digital Video Broadcasting (DVB) is an industry-led consortium of over 233 broadcasters, manufacturers, network operators, software developers, regulatory bodies and others committed to designing global standards for the delivery of digital television and data services. DVB standards cover all aspects of digital television from transmission through interfacing, conditional access and interactivity for digital video, audio and data. The consortium came together in 1993 to create unity in the move towards global standardization, interoperability and future proofing.

DVB dominates the digital broadcasting environment with thousands of broadcast services around the world using DVB’s open standards. There are hundreds of manufacturers offering DVB compliant equipment. To date there are over half a billion DVB receivers shipped worldwide. DVB standards are also widely used for other non-broadcasting applications such as data on the move and high-bandwidth internet over the air. Further information about DVB can be found at: www.dvb.org, www.mhp.org, www.dvbservices.com and www.dvbwotld.org.

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