EtherWaves to add Software Defined Radio (SDR) based DAB/DMB Receiving Software to GENIVI and Android devices

The increasing processing power pushed by the smartphone market finally enables an upgrade path to automotive and mobile devices, to avoid the need for specialized DSPs

TEL-AVIV, ISRAEL—November 1, 2011-- EtherWaves, an acknowledged industry leader for Digital Radio software Intellectual Property (IP) for cars and SoC, today announced a new version of its ClearSignal software based DAB/DMB solution. This version executes on Linux-based OS's, such as those used for automotive In-Vehicle Infotainment (IVI), for mobile devices and for tablet computers.

Adding this Digital Radio capability requires an appropriate digital tuner - such as Maxim's MAX217x, and executing ClearSignal software on the existing processor with GENIVI or Android operating system. Porting the same DAB/DMB capability to another processor is a straightforward task, due to ClearSignal RF-agnostic design.

The new version currently, running on an ARM V7 architecture core, implements all the Digital Radio broadcasting standards supported by ClearSignal - DAB, DAB+, T-DMB and DRM, while exhibiting its proved and renown high performance.

"We are excited by the new opportunities that the new ClearSignal version offers, such as a path towards GENIVI systems and another path to Android based cellulars and tablets", said Ben Gagin, EtherWaves' CEO. "And with all the capabilities offered by the new processing cores, they become the solution on choice, replacing the dedicated silicon for mobile multimedia devices' design".

The new ClearSignal version follows the new trend of the industry in general and automotive in particular move to software rather than hardware-defined infotainment systems for a flexible, future proof, and user-friendly experience. It does so by executing now also on Linux-based operating systems - the most open-source family of platforms that connects the world's network of devices, including cars, cellulars and tablet computing devices.

The new ClearSignal version is available for licensing from EtherWaves, who also provides Digital Radio integration services for fast and cost effective implementation.

About ClearSignal

ClearSignal is a comprehensive software implementation for receiving and decoding Dual DAB / DAB+ / DMB / DMB SLS / DAB DATA / DRM / MP4 broadcasting, offering:
- High scalability, such as:
    - simultaneous Decoding of Audio and Data services
    - dual-tuner, capable of decoding simultaneously two similar or different systems, for example DAB+ and DRM (or DMB), or decoding audio and data
    - decoding DRM with background DAB
- Seamless audio switch-over
    - when travelling between regions with different Digital Radio standards
    - when switching between different standards - FM Synchronization
- Complete package, fully documented and accompanied by training, support, ATP and test materials.

With the rapid introduction of powerful processors in smartphones and automotive head-units, ClearSignal is committed to move forward on the roadmap for reducing customers' system costs and financial risks involved in maintaining stocks of dedicated ASICs.

Previous versions of ClearSignal have been used by Tier 1 automotive infotainment makers, deployed in high-end German and Italian automotive cars and used by innovative SoC manufacturers.

About EtherWaves

EtherWaves develops and licenses Intellectual Property (IP) for Digital Radio receivers, focusing on the Automotive OEM and SoC market. Designed as pure software, EtherWaves IP enables the use of the powerful Software Defined Radio approach in the automotive and SOC markets for long term availability. In SOC designs, it enables a flexible mix of cores and silicon blocks, for fast development cycle, as well as low power consumption and cost-effective for the end-product. The company's ClearSignal technology enables high-quality, multi-standard Digital Broadcast reception. EtherWaves is a privately held company with headquarters in Israel. For more information, please visit us at www.etherwaves.com

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