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Comtech AHA Announces DVB-S2 Low Density Parity Check Code Encoder/Decoder Core; DVB-S2 Compliant FEC Core Provides Outstanding Performance

MOSCOW, Idaho, May 17, 2005 (BUSINESS WIRE) -- Comtech AHA Corporation (AHA), a wholly-owned subsidiary of Comtech Telecommunications Corp. (NASDAQ:CMTL), announces the availability of a Low Density Parity Check Code (LDPC) Forward Error Correction (FEC) encoder/decoder core that is fully compliant with the Digital Video Broadcast S2 standard (DVB-S2). It is capable of up to 100 Mbits per second data rate in an Altera Stratix II FPGA and supports all codes, frame sizes, and modulation schemes set forth in the DVB-S2 specification. Included with the LDPC core is a BCH outer code module that lowers the error floor for greater system reliability. Comtech AHA's DVB-S2 LDPC core implements an encoder with an interleaver, a decoder with a deinterleaver, and operates in either full duplex or half duplex modes.

The DVB-S2 LDPC core provides a wide range of code rates from 1/4 to 9/10 and supports the four constellations of the DVB-S2 specification ranging in spectrum efficiency from 0.49 bits/s/Hz to 5.4 bits/s/Hz. Features of the DVB-S2 LDPC core include DVB-S2 compliant BCH outer and LDPC inner codes, bypass mode, code change on the fly, burst control, and Adaptive Coding and Modulation (ACM) and Variable Coding and Modulation (VCM) support. The core is targeted to an Altera Stratix II FPGA; however, an ASIC core is also available upon request.

LDPC codes provide superior bit-error-rate (BER) performance that is closer to the Shannon Limit than other available technologies. Customers using Comtech AHA's LDPC error correction technology will be able to use their existing communications channel more efficiently than with other methods. The superior performance of the LDPC codes allows for increased transmission distance or reduced transmission power for a wide variety of communications systems. Comtech AHA's DVB-S2 LDPC core is faster, more efficient, and more flexible in the codes it supports than other cores available today. The DVB-S2 LDPC core provides benefits in many applications such as VSAT, broadcast services, digital TV contribution, satellite news gathering, backhaul, and other emerging markets.

"Comtech AHA's expertise in forward error correction allowed us to create the highest performing LDPC solution available today," said Bill Thomson, president of Comtech AHA. "Our DVB-S2 LDPC core supports all of the codes in the DVB-S2 standard as well as the ACM and VCM modes. This enables our customers to efficiently improve the performance of their communication systems."

In addition to the DVB-S2 LDPC core, Comtech AHA also offers a 30 Mbps LDPC core. Contact Comtech AHA for more information about this core and other FEC products offered by AHA.

Pricing and Availability

Contact Comtech AHA by telephone at 208-892-5600 or via e-mail at sales@aha.com for pricing. The DVB-S2 LDPC core is available now.

About AHA

Comtech AHA Corporation develops and markets application-specific integrated circuits (ASICs), boards, and intellectual property core technology for communications systems architects worldwide. Comtech AHA provides flexible, cost-effective solutions for today's growing bandwidth and reliability challenges. Located in Moscow, Idaho, Comtech AHA has been setting the standard in Forward Error Correction and Lossless Data Compression technology for more than a decade and offers a variety of standard and custom IC solutions for the data communications industry. Comtech AHA Corporation is a wholly-owned subsidiary of Comtech Telecommunications Corp. (NASDAQ:CMTL). For more information, visit www.aha.com.

Certain information in this press release contains statements that are forward-looking in nature and involve certain significant risks and uncertainties. Actual results could differ materially from such forward-looking information. Comtech Telecommunications Corp.'s Securities and Exchange Commission filings identify many such risks and uncertainties. Any forward-looking information in this press release is qualified in its entirety by the risks and uncertainties described in such Securities and Exchange Commission filings.

SOURCE: Comtech AHA Corporation

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