



## Press Release

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dev

SYSTEMTECHNIK

### DEVs junior engineer receives *Friedrich-Dessauer-Award*

**Friedberg, 21 February 2007. Marcus Zerb receives the Friedrich-Dessauer-Award from VDE Rhein-Main e.V. for his diploma thesis in information and communication technology. Zerb has been awarded for his development of a redundant, adjustable amplifier for the frequency range between 700 and 2300 MHz for application in L-band signal transmission systems. Since his graduation as an engineer, he has been working in the R & D department of DEV Systemtechnik.**

A sophisticated concept: the adjustable and redundant amplifier developed by Marcus Zerb. In manual mode, the desired amplification can be individually adjusted in the range of 5 to 25 db. In automatic mode, a RF detector measures the output power of the amplifier and sends the total output signal to a micro-controller. The controller compares the measured level against the desired, i.e. set level. In case of variance between output and reference level, the level is adjusted by means of a variable attenuator. The amplifier's redundant design ensures high operational reliability. The device automatically compensates for loss of amplification caused by a defect.

"New and fresh ideas are the essence of innovations. We are proud to have supervised a graduate and thus been able to recruit a high-calibre and motivated employee like Marcus Zerb", says Jörg Schmidt, General Manager of the DEV Systemtechnik. Since his graduation from the University of Applied Sciences of Gießen-Friedberg, Marcus Zerb is working in DEV Systemtechnik as a member of the development team. Prior to his thesis work, Zerb participated in an undergraduate placement scheme at the Friedberg RF technology specialist.

With the redundant, adjustable amplifier developed by Marcus Zerb, the DEV Systemtechnik expands its product portfolio. As an internationally operating and renowned specialist, DEV Systemtechnik develops integrated solutions for the secure RF signal transmission of up- and down-stream TV and radio signals. All DEV systems are developed and produced in Germany.

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