GNSS Receiver with a Open Interface

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SUMMARY

The navxperience company and the Fraunhofer Institute IIS developing together a new generation of GNSS receivers. These project is promoted of the Federal Ministry of Education and Research. The targets of the project is a Base technology with an absolutely open Interface. It is completely different to the old manufactures of GNSS technology. The Software, for example the RTK engine, is closed and the end-user knows nothing about the mathematics and basic principle about the software. In this GNSS Receiver we have an open Interface, it means you have access to all basic signals and you can work with your own software directly on the board. It is same principle as an Android operating system. The developing starts in January 2014 and in summer 2014 we have the first prototype boards. The receiver will receive all signals of GPS, GLONASS, Galileo and Beidou Satellites. The electronic hardware will have the highest standard of modern electronic with very fast processors and enough memory. The field of application is the high accuracy market of navigation and surveying.

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