

Total Integration Specialists

Tahoe RF Semiconductor Inc. is a highly successful provider of custom RF/Analog IC solutions for next generation GPS applications. Our international customer base includes large, established semiconductor and end-product providers. We meet or exceed the stringent quality, design and regulatory standards of our customers in the commercial, automotive, space and military sectors.

Our Commitment to You

As product development cycles become more aggressive, achieving time-to-market goals is critical in today's highly competitive GPS market. Tahoe RF maintains an extensive catalog of silicon-verified GPS radio receiver IP blocks and solutions that are available for your total GPS solution. We guarantee that you can benefit from our economies of scale in designing the most optimum GPS radio receiver.

Our Expertise

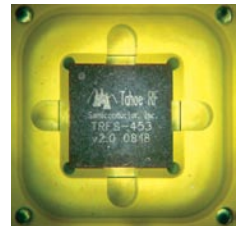
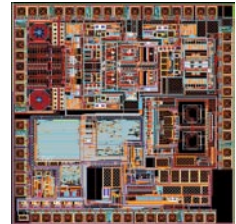
The Tahoe RF GPS Team has extensive experience in the design and delivery of fully integrated, low cost GPS radio receivers in many market sectors. Our solutions range from high volume commercial applications (PDA, smart phones) to the demanding needs of military and space designs. Our IP is available in multiple technologies, including: CMOS, SiGe & Silicon-on-Sapphire. Previous successful offerings include:

- Single channel to multi-channel ICs
- Fully integrated L1, L2 and L5 bands
- Commercial, military, space

Tahoe RF has demonstrated many first-pass successes designing complex RF receivers. With a combined team experience exceeding 160 years, Tahoe RF has the expertise to take a design from concept and system specification to high volume production. Tahoe RF has developed a rigorous design methodology that has allowed us to consistently deliver first-pass silicon successes.

Our Solutions

Tahoe RF provides Low Power, High Accuracy, High linearity, Low Phase noise GPS solutions that can be configured in multiple ways. By utilizing our proven fractional-N synthesizer technology and fully integrated on chip VCO cores, we are able to provide GPS receivers that can be operated at IF frequencies from 200MHz down to 2MHz. A high linearity signal path enables Tahoe RF to provide a system that is very robust and insensitive to unwanted nearby frequencies. The use of innovative circuit techniques enables high gain systems to be realized with ease and the signal path can be controlled either externally with a single control voltage, or with the use of an optional internal AGC loop. Each block is fully controllable by the use of an optional serial interface circuit and command set. The output drivers are also configurable to interface with multiple external data converters and impedances.



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