Signalchip’s SCRF 3402 RF Transceiver integrates all the necessary components for 4G/3G/2G and Wi-Fi systems: high speed ADCs/DACs, self-tuned baseband filters and programmable gain amplifiers. The SAW-less RF transmitter integrates high linearity low noise mixer, buffer and a power amplifier. The power amplifier can be configured to drive an antenna directly for short range applications (thus reducing the bill of materials) or, as a driver for long range applications.

The RF receiver integrates high linearity LNA, mixer and a DC offset correction loop. The integrated synthesizers create high fidelity carrier signals to meet the stringent requirements of a base station.