Signalchip’s SCRF4502 RF Transceiver Chip integrates all the necessary components for 5G-NR/4G/3G/2G and Wi-Fi systems: high speed ADCs/DACs, self-tuned wide bandwidth baseband filters and programmable gain amplifiers. The SAW-less RF transmitter chip 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 chip 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.