

About Us

Founded in 2017, SenseICs is engineering innovation by developing the world's most advanced integrated circuits. Demonstrated success in 3 capability areas: **Advanced Imaging**, **Trusted Microelectronics**, and **Secure 5G**.

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Secure 5G: Digitally Reconfigurable PA & Transmitter (TRL 4)

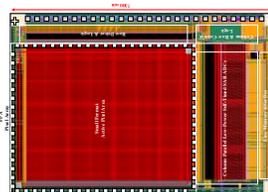
- SenseICs is actively developing and deploying trusted, dual-use, U.S.-designed and fabricated 5G electronics components to be used in secure 5G networks and telemetry.
- CMOS & GAN RF digitally reconfigurable any-frequency TX operation from 1 GHz to 8 GHz solution.
- Fractional bandwidth (FBW) of 150%
- Max output power ~ 35 dBm at ≥ 45% PAE at max power and ≥ 35% PAE at back-off power (BoP)



Advanced Imaging: HDR IR Imager (TRL 3-4)

Enable systems to **capture images in any light**. Unlike other technologies, which compromise high-quality images at either end of the light spectrum, lack sensitivity, and require costly and time-consuming processing, our sensors work smarter and at the **pixel-level** to adapt and react to different levels of light within a frame.

- ✓ Novel HDR, low-power event detection
- ✓ Compressive sensing
- ✓ Smart ROI windowing



Trusted Microelectronics: V&V Trusted IC (TRL 5-6)

- SenseICs is developing advanced node (12 nm) integrated circuit test articles to vet and develop new verification & validation (V&V) and cryptography IP capabilities for the Air Force and other DoD agencies & primes.
- SenseICs delivers full turn-key test article solutions including ICs, COBs, test system setup and GUI

