RF Systems on Chip
- using standard CMOS technology

- Integrating proven RF and Mixed Signal IP to develop RF Systems on Chip from VHF to millimeter Wave
- Developing on-chip calibration techniques for digitally assisted analog & RF
- Leveraging CPU and digital accelerator IP, DSP including DPD, CPU, Digital Front End and Physical design integration expertise
- LNA, Mixer, PA and PLL Synthesizer IP
- ADCs and DACs from Msps to Gsps
We design, develop and supply custom ASICs that ensure seamless integration of analog and digital subsystems within your wireless communications systems. Decades of RF design experience, coupled with silicon proven mixed-signal IP, mean fast, cost effective chip development and assured performance for your application:

- Up to 75% less PCB area and Power
- Up to 80% less BOM cost

For satellite, Industrial IoT and high frequency communications:

- Satellite: VHF to Ka Band
- Satellite + Industrial IoT; L-Band + NB IoT
- Satellite Backhaul
- mmWave: Digital Beamforming
- mmWave: Tuneable digital architecture

About S3 Semiconductors

S3 Semiconductors is a wholly owned division of Adesto. S3 Semiconductors designs advanced mixed signal chips and manages every aspect of supplying production devices to its customers using some of the world’s most advanced semiconductor production facilities. With more than 20 years’ experience designing advanced analog and digital circuitry for hundreds of customers in every major region, S3 Semiconductors is a design-centric semiconductor supplier capable of optimizing its designs for every customer, yet achieving cost economies not thought possible with custom chip designs until now.

For further information please visit

www.s3semi.com

Contact us at:
Email: info@s3semi.com