

Research and Development Services

Wireless IP & Design



Service



IP Originality

- + Idea to Realization
- + Spec Determination
- + Algorithm Creation
- + Multi-Platform Implementation



Integration & Optimization

- + HW/FW/SW Integration
- + FPGA/DSP/CPU Optimization
- + Architecture Rationalization
- + Performance Maximization



System Modeling

- + End-to-End PHY Simulation
- + Protocol Analysis and Emulation
- + Early Feasibility Assessment
- + Accelerated Development Cycle



Commercialization

- + Product Realization
- + Interoperability Verification
- + Reliability Testing
- + Factory Production and Calibration

IP Portfolio

4G LTE-A (NB-IoT/eMTC)

Core Network

Protocol Stack

Baseband PHY

T & M

5G NR

Core Network

Protocol Stack

Baseband PHY

T & M

NTN (IoT/NR)

Protocol Stack

Baseband PHY

Channel Emulator

T & M

WiFi/BT (BLE/Zigbee/LoRa/FSK)

Baseband PHY

T & M

System Integration Experience

MCU / NPU

ARM



FPGA / DSP / ASIC

AMD
XILINX



RF Transceiver

ANALOG
DEVICES

