



Unlocking efficiency in wireless communications

EXPERTISE:

RF FRONT END (RFFE)

- Integrated amplifier circuits (MMIC, PAM)
- FR1, FR2 and FR3 bands
- High-power hybrid design, SSPA modules
- Custom designs



DIGITAL FRONT END (DFE)

- +10 years using last generation of RFSoC Xilinx FPGA (Ultrascale+)
- ADI transceivers, high-speed DAC and ADC
- DPD / CFR



Markets:



5G/6G



New Space / NTN



Defense

Product for 6G Test Environments

- Test signals in the 6G frequency range



6G / NTN Research Projects

- **FlexSoGreenXG:** Flexible, Sovereign, Green, 5G/6G Networks
- **MAGENTA:** Millimeter-Wave Front-End in GaN Technology with Ultra-High Energy Efficiency for 5G-6G MIMO Active Antennas



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5 Patents on System Efficiency Algorithms

- To improve communication system's efficiency within a 5G-NTN / 6G network

