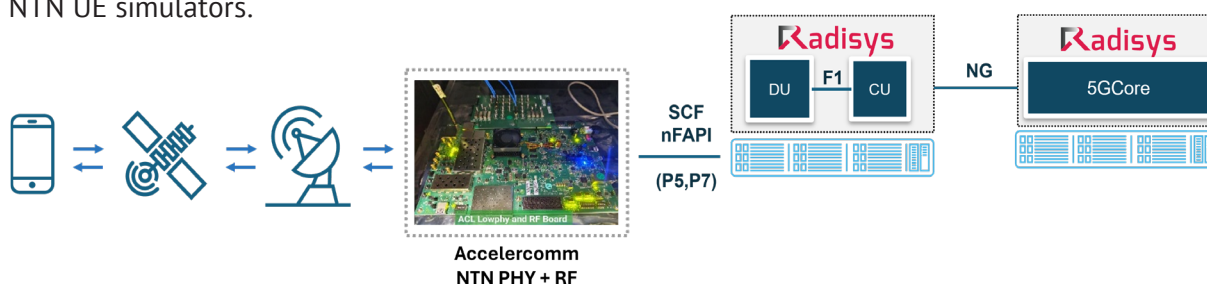




RadisyS 3GPP Rel-18 5G NR NTN Solution

RadisyS enables faster deployment of 5G NR Non-Terrestrial Networks with its 3GPP Release 18 compliant software for Non-GSO Satellite constellations, including Low Earth Orbit (LEO) and Medium Earth Orbit (MEO), supporting both Transparent and Regenerative payload architectures. RadisyS NTN offering includes a compact footprint 5G core network suite with NTN feature support, integrated with gNB and interoperability tested with NTN UE simulators.



RadisyS-AccelerComm NR-NTN Solution

- RadisyS DU integrated with Accelercomm board hosting NTN PHY and RF via nFAPI interface
- Tested for multi-UE DL/UL traffic with NTN UE simulators
- Solution supports:
 - 5G SA Mode with NTN
 - S/L Band, FDD
 - 5MHz to 30 MHz Cell Bandwidth, 15kHz SCS

RadisyS NR NTN gNodeB (CU/DU) Software Highlights

- Market first 3GPP Release 8 compliant NTN RAN Software for Transparent Architecture and extensible to Pre Release 19 Regenerative Architecture.
- Feature rich NTN solution supporting GEO, MEO and VLEO Satellite access
- Support for multiple NTN UEs with DL and UL data streaming
- Well-defined, committed roadmap towards 3GPP Release 19 and beyond, supporting Narrow Band and Broadband Satellite communication services using S/L Band, Ka and Ku bands.
- Optimized for low SWaP (ARM, RISC-V) NTN Payload for regenerative solutions and cloud-based option for Transparent/Ground segment RAN components.
- Supports well defined interfaces to ease integration with Satcom infrastructure such as NTN/Satellite Control Function.

For all your 5G solution needs including public networks, private networks, shared RAN, FWA, NTN and industrial 5G deployments, please talk to the RadisyS team of experts.

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