

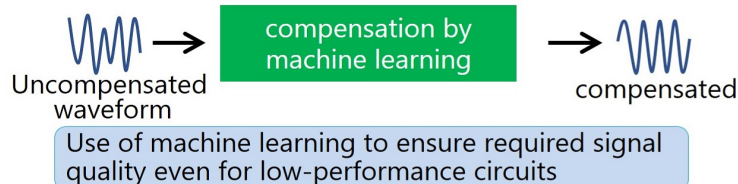
Background

Extreme high-speed and high-capacity are needed in 6G to achieve 100 Gbps. THz-bands are promising for cellular systems.

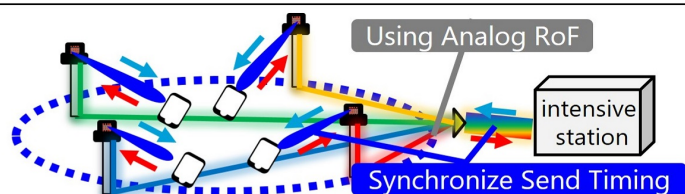
Summary

We propose modulation and demodulation techniques on terahertz bands for 6G radios and distributed MIMO system using high-frequency band.

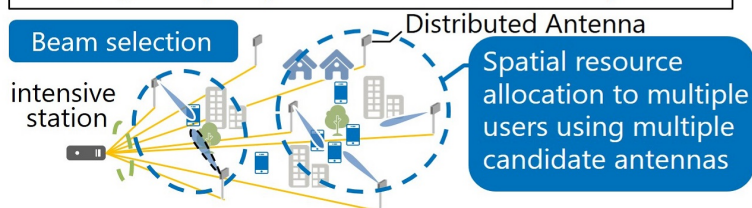
RF Imperfection Compensation Technology Using AI



Analog RoF technology to accommodate TDD radio system



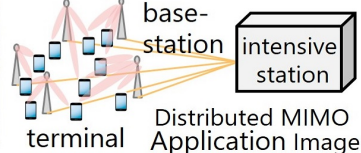
Multi-User Transmission Technology in High-Frequency Band Distributed Antenna System



6G simulator



Evaluate each technology at the system level



Features

- Area coverage by line-of-sight radio waves with a distributed antenna
- Multi-User Transmission Technology in High-Frequency Band Distributed Antenna System
- Technology to estimate reference points by machine learning and to demodulate distorted signals with high quality

Future_benefits

We realize stable large-capacity wireless transmission even in a mobile / shielded environment in the high frequency band.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact

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