

January 2020
Denki Kogyo Co., Ltd.

Acquisition of Trial Licensing for “Local 5G” Business

Denki Kogyo Co., Ltd. (Head Office: Chiyoda-ku, Tokyo; President and Representative Director: Mikio Matsuzawa) acquired a license for a 28 GHz-band trial to commercialize a private 5G, which is called as “Local 5G” in Japan.

“Local 5G” builds relatively small-scale communication environments based on local needs in regions using 5th-Generation Mobile Communication Systems (5G), and is expected to be used in a wide range of applications, such as that for factories, construction sites, hospitals, and farmland.

Acquired license is for the trial at our factory located in Kanuma, Tochigi Pref. and we can conduct experiments in the outdoor environment in-and-around the factory, and in the indoor environment in factories, offices etc.

The period of the experiment is scheduled until the end of March 2021. In the radio wave propagation test phase (1st phase), basic radio wave propagation measurement in the indoor and outdoor will be planned, and in the demonstration test phase (2nd phase), various verification experiments using beamforming antennas, etc. being developed by us will be planned.

“Local 5G” requires not only the ability to construct high-quality communication networks at a given site, but also high-level radio wave-related technological capabilities, e.g., to suppress interferences outside the service area. Through our promotion “Local 5G” with our advanced design and fabrication or antennas, and deep knowledge on radio wave propagation, we will contribute to the further advancement of social infrastructures and the realization of a rich future.