

DKK Radio Unit with O-RAN Fronthaul Interface was selected as 5G Commercial Base Station Equipment of NTT DOCOMO.

DKK Co., Ltd. (Headquartered at Chiyoda-ku, Tokyo. Representative Director: Tadatoshi Kondo. Hereinafter referred to “DKK”) hereby announces that the company is selected as a supplier of 5G (※1) radio unit with O-RAN fronthaul interface (※2) by NTT DOCOMO, INC. (Headquartered at Chiyoda-ku, Tokyo. President and Chief Executive Officer: Motoyuki Ii. Hereinafter referred to “NTT DOCOMO”). DKK will start providing this radio unit from the second half of fiscal year 2021.

【DKK 5G Radio Unit】

5G radio unit developed by DKK will be installed at the base station antenna site, and is connected with base station control unit through optical fiber using O-RAN fronthaul interface. By adopting O-RAN fronthaul interface, the radio unit can be connected with various base station control units conforming to O-RAN standard, and it enables to build flexible network not depending on specific vendors.

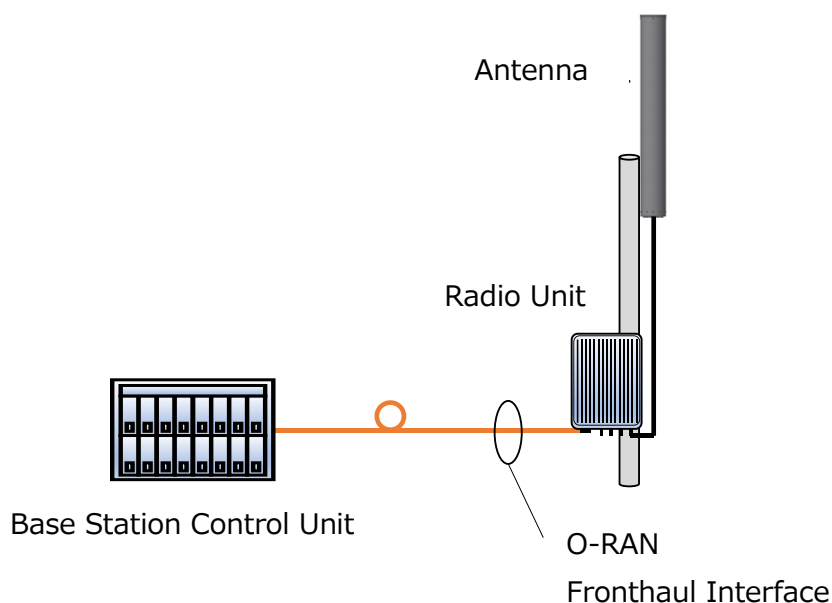


Image. Sample diagram of 5G base station system

【Future Plan】

DKK has been a supplier of base station antennas to NTT DOCOMO until today, and through the extension of the product range with O-RAN fronthaul 5G radio units, DKK will further support NTT DOCOMO's deployment of high grade 5G commercial services. DKK will also contribute to wider adoption of O-RAN specifications as a member of O-RAN Alliance.

【Comment by Mr. Sadayuki Abeta, General Manager of Radio Access Network Development Department at NTT DOCOMO】

Adding DKK 5G radio unit with O-RAN interface into NTT DOCOMO's network will help us to further accelerate our 5G network deployment. NTT DOCOMO would like to cooperate with DKK to expand 5G service coverage and to meet our customers' need.

※1 5G : 5th generation mobile communication system

※2 O-RAN fronthaul interface : Specifications of interface defined by O-RAN Alliance
DKK joined O-RAN Alliance in 2019.