

SolarInnovate Energy Solutions

Japan Communications Rural 5G Base Station



Overview

What is 5G Japan?

5G JAPAN will promote infrastructure sharing based on the mutual use of base station assets held by SoftBank and KDDI to accelerate the rollout of 5G networks in rural Japan, as well as conduct construction design and construction management work for 5G base stations. “SoftBank and KDDI will rapidly construct 5G networks that serve all industries.

What 5G frequency does a Japanese telecommunications station use?

The station uses the 5G frequency defined by the 3GPP. In FY2021, the Japanese project cooperated with a Thai telecommunications carrier in developing a Local 5G network using O-RAN 5G equipment and conducting demonstration tests for Local 5G applications.

Why did KDDI and SoftBank join a 5G joint venture?

As part of this initiative, both companies established a joint venture, 5G JAPAN, on April 1, 2020. Through infrastructure sharing and the mutual utilization of base station assets owned by both companies, KDDI and SoftBank have been collaborating to accelerate the adoption of 5G networks in rural areas that are grappling with the digital divide.

How many 5G base stations did SoftBank and KDDI build?

Through 5G JAPAN, SoftBank and KDDI have jointly built out over 5G 38,000 base stations each, resulting in capital expenditure cost reductions of 45.0 billion yen for each company *2.

Does Ericsson have a 5G base station?

. Ericsson (NASDAQ: ERIC) was selected by the Japanese communications service provider KDDI as a partner for Japan’s first vault 5G base stations. The company will support KDDI in deploying “manhole-shaped” 5G base stations, supplying sub-terrain antennas.

Can a local 5G network be used in other regions?

A local 5G network in one region is invulnerable to communication breakdowns or disasters in other regions. ■ Local 5G networks based on radio station license can be used more stably than Wi-Fi networks. ■ Local 5G was partially institutionalized in December 2019 (28.2-28.3 GHz).

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SoftBank, KDDI expand collaboration to build 5G networks

May 9, 2024 · SoftBank and KDDI will aim to jointly build out a total of 100,000 base stations each by the fiscal year 2030 Japanese telecom operators SoftBank and KDDI Corporation said they ...

Mobile Communication Network Base Station Deployment Under 5G

Apr 13, 2025 · This paper discusses the site optimization technology of mobile communication network, especially in the aspects of enhancing coverage and optimizing base station layout. ...



ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



Product Details



Japan Base Station Antenna Market Size & Demand 2025 to

May 2, 2025 · Japan base station antenna market is developing aggressively with the country-wide deployment of 5G networks, rising mobile data consumption, and the requirement of low ...

KDDI, SoftBank Intensify Partnership to Accelerate 5G

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May 9, 2024 · As part of this initiative, both companies established a joint venture, 5G JAPAN, on April 1, 2020. Through infrastructure sharing and the mutual utilization of base station assets

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Sumitomo to Spearhead Shared Mobile Base Stations for Japan...

Nov 29, 2023 · Anticipating a shift toward shared stations in rural areas, where user density is lower, Sumitomo envisions significant growth in the joint-use base station market, addressing ...

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