

ContainerPower Energy Solutions

Are 5G base stations interoperable



Overview

Is a 5G base station CU/DU interoperable?

Tokyo, December 2, 2021 - NTT DOCOMO, INC. (DOCOMO) and NEC Corporation (NEC) have succeeded in interoperability testing for 5G standalone (SA) using a 5G base station baseband unit (5G CU/DU) conforming to O-RAN open interface specifications and radio units (RUs) of different vendors.

Why is NEC launching a 5G base station?

This will drive the rapid and flexible development of 5G service areas. The new 5G base station baseband unit from NEC realizes multi-vendor interoperability and is the result of a partnership between NEC and Samsung.

Does NEC have a 5G base station for multi-vendor interoperability?

Atsuo Kawamura, Executive Vice President at NEC and President of the company's Network Services Business Unit, said: "We are very pleased to have cooperated with Samsung Electronics in developing an O-RAN-compliant 5G base station that enables multi-vendor interoperability.

Can 5G be used as a backhaul solution?

The pace and scale of 5G deployment increases the demand for wireless relays as an alternative to fiber backhaul solutions. Lockheed Martin and Radisys are working together to accelerate 5G capabilities into Lockheed Martin's 5G.MIL™ Hybrid Base Station to use within military tactical networks.

Is DoCoMo X2 compatible with 5G base station remote units?

It is interoperable with all existing vendors' 5G base station remote units in DOCOMO's network owing to its adoption of O-RAN open fronthaul specifications; it is also compatible with all existing 4G base stations in DOCOMO's network thanks to its adoption of O-RAN open X2 specifications.

Does Lockheed Martin have a 5G base station?

BETHESDA, Md., March 2, 2025 / PRNewswire / -- Lockheed Martin (NYSE: LMT), Nokia (NYSE: NOK), and Verizon (NYSE: VZ) today announced the successful integration of Nokia's industry-leading, military-grade 5G solutions into Lockheed Martin's 5G.MIL® Hybrid Base Station (HBS).

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