

NEC Demonstrates 3G (W-CDMA) In-building Solutions

March 10 2005

NEC Corporation demonstrates its latest 3G (W-CDMA) in-building solutions to provide indoor radio network services realizing the most-optimized mobile environment covering in-building and out-door to mobile operators and mobile phone users at CeBIT 2005. The in-building solution includes providing professional services such as optimum RF design with its Radio planning tools and equipment such as RF repeaters.

"NEC's 3G in-building solution will be the key to customer satisfaction and also to the improvement of ARPU of mobile operators," said R. Takanohashi, General Manager of NEC's Mobilephone Solutions Division. "Not only supplying equipment, system integration and solution, NEC has know-how and competence in mobile network optimization of both in-building and out-door, which has long been accumulated in the domestic and international infrastructure business."

NEC can provide professional services for indoor coverage by optimum RF design. Taking account of the incoming signals from outdoor cells by measurement data, NEC designs indoor coverage based on simulation results.

NEC's Indoor radio planning tool "RS3000" makes it possible to output a highly precise design result in a short period by the prediction of its coverage area. And it also makes it possible to do for HSDPA. NEC is also ready to supply a series of design with optimization tools such as "Building Sketch", a system configuration diagram design tool, "Floor's

service quality Scope", a radio measurement data plotting & analysis tool, and "Indoor Bench-Mark" a comparison tool of area qualities among several operators. NEC also reveals its latest RF Repeater, which is a prompt and cost-effective solution to easily provide small indoor coverage. It is light weight and compact of less than 400g, 0.4 liter with a typical coverage radius of approximately 20m.

Citation: NEC Demonstrates 3G (W-CDMA) In-building Solutions (2005, March 10) retrieved 3 May 2024 from <https://phys.org/news/2005-03-nec-3g-w-cdma-in-building-solutions.html>

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