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# Tokyo Mobile 5G communication signal tower base station





## Overview

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Can a multisector antenna be used in a 5G base station?

DOCOMO previously measured the directivity of a single element in a multisector antenna in 2022, but the DOCOMO believes that this was the world's first demonstration to use a multisector antenna in a 5G base station equipped for radio beam control.

Are 5G mmWave compatible base stations expensive?

In addition, conventional 5G mmWave compatible base stations are large and expensive, and there were cost issues in terms of deploying a large number of them.

Is the glass antenna compatible with the 5G sub6 band?

The glass antenna is compatible with the 5G Sub6 band. JTower completed the development of shared equipment compatible with 5G (Sub6 band) in 2020, launching the first service of the band in Japan.

How will Yokohama National University & Fujitsu work towards 5G Evolution & 6G?

In addition, the Yokohama National University, DOCOMO, NIHON DENGYO KOSAKU and Fujitsu will work towards 5G Evolution & 6G in order to achieve compatibility with future mobile networks' high-frequency millimeter and terahertz waves for the further enhancement of indoor connectivity.



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### [Press Releases : Small, Efficient 5G Multisector Antenna Indoor Base](#)

TOKYO, JAPAN, January 30, 2023 --- Yokohama National University, NTT DOCOMO, INC., NIHON DENGYO KOSAKU Co., Ltd. and Fujitsu Ltd. announced today that they successfully ...

### [Development of Local 5G mmWave Base Station Using ...](#)

May 22, 2025 · In addition, this research group aim to integrate the knowledge of beamforming settings obtained from the evaluation in this study into the control software on the base station ...



### [Large-Area Monitoring of Radiofrequency Electromagnetic ...](#)

Apr 11, 2023 · Figure 7 contains a scatter plot that shows the relationship between population density and E-field strength for mobile phone base stations, including 5G (a), only 5G (b), and

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### [JTower, NTT Docomo unveil 5G glass antenna for buildings](#)

Aug 14, 2024 · Japanese tower operator JTOWER announced the development of a glass antenna that it claims can "turn windows into base stations," to deliver 5G services in Japan's capital



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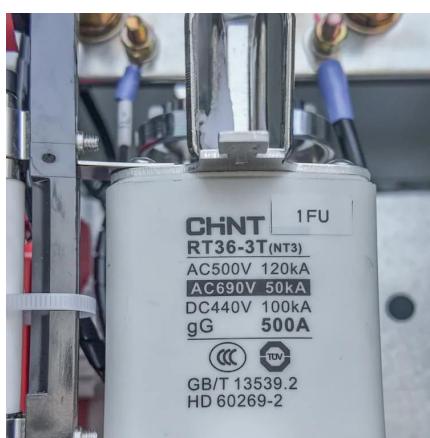
## **Electromagnetic field exposure monitoring of commercial 28-GHz band 5G**

May 22, 2024 · Abstract Fifth generation (5G) wireless communication is being rolled out around the world. In this work, the latest radio frequency electromagnetic field (EMF) exposure

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### [Press Releases : Small, Efficient 5G Multisector Antenna ...](#)

TOKYO, JAPAN, January 30, 2023 --- Yokohama National University, NTT DOCOMO, INC., NIHON DENGYO KOSAKU Co., Ltd. and Fujitsu Ltd. announced today that they successfully ...



### [JTOWER installed 5G Infra-Sharing network in Kouzushima ...](#)

Jun 23, 2023 · The subsidy is utilized in the outdoor tower sharing in Kouzushima village and this is the first time in the Kanto region of the Ministry of Internal Affairs and Communications to ...



## [JTower, NTT Docomo deploy 5G glass antenna for buildings ...](#)

Aug 13, 2024 · JTOWER has developed a glass antenna that it claims can "turn windows into base stations," to deliver 5G services in Tokyo, Japan. The Japanese telecom infrastructure ...



## [KDDI develops underground base station](#)

Mar 9, 2023 · KDDI revealed it deployed a 5G base station at its campus in Tokyo with all components installed underground to eliminate exposed antennas, claiming a first in Japan. In ...

## [Notice from Tokyo Metropolitan Government\] Why don't we ...](#)

1 day ago · This is an announcement from the Tokyo Metropolitan Government regarding its initiatives for the development of 5G areas. Flyer (Use Building Rooftops, etc. as Potential ...



## [Japanese company develops 'glass antenna that turns windows into 5G](#)

Sep 24, 2024 · JTOWER develops 5G signal environment through infrastructure sharing at Shinjuku 3-chome East Building ~ AGC's 5G-compatible 'glass antenna that turns windows ...



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