


[RESEARCH SERVICES](#)
[CUSTOM RESEARCH](#)
[TELECOM MAPS](#)
[TELECOM RESOURCES](#)
[HOME](#) > [RESEARCH SERVICES](#) > [COMMSUPDATE](#)

# Japanese tech firms unite on mmWave 40GHz and 60GHz wireless access network

3 Mar 2016

[Japan](#)

A number of Japanese tech companies have announced the successful test and implementation of a jointly developed 'wave-based, high-throughput wireless access network for large-scale data content distribution' in the 40GHz and 60GHz band. Tokyo Institute of Technology (Tokyo Tech), Sony Corporation, Japan Radio Co (JRC) and KDDI R&D Laboratories (KDDI Labs) say the initiative is based on a next generation network using millimeter wave (mmWave)-based wireless systems, allowing a more 'efficient use of the mmWave communication band, which is much less crowded than the wavebands below 6GHz'. Development of mmWave represents a key technology for the development of the heterogeneous networks (HetNets) that will be used for fifth-generation (5G) wireless cellular networks. In an attempt to resolve some of the obstacles relating to using higher frequency transmissions, Tokyo Tech, Sony, JRC and KDDI Labs 'jointly developed a new wireless access network that combined 40GHz operation for outdoor networks with 60GHz operation for mobiles to enable large data size content delivery on the gigabyte scale'.

[Japan](#), [KDDI \(au\)](#), [Wireless](#), [5G](#)

## Subscribe

Subscribe to CommsUpdate to get the day's top telecom headlines delivered to your email.

[Subscribe to CommsUpdate](#)

## Feedback

Have feedback, corrections, or story ideas? Send them to [editors@commsupdate.com](mailto:editors@commsupdate.com).

## Browse Past Issues

Mar 2016						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		
Today						

## Filter

Filter CommsUpdate by the following categories or use the search.

[Wireless](#)
[LTE](#)
[5G](#)
[MVNO](#)
[Broadband](#)
[IPTV](#)
[WiMAX](#)
[Submarine](#)
[Wireline](#)
[VoIP](#)
[Mergers/Acquisitions](#)
[Corporate/Financial](#)

## Search

Visit our [help page](#) information on performing advanced searches, including how to restrict the results by country or company.

## Advertise

[CommsUpdate](#) is an outstanding advertising venue for companies seeking to reach:

International carriers  
Wholesale service providers  
Equipment and software vendors  
Telecom investors  
Regulators

[Learn more about advertising on CommsUpdate.](#)

---

## Share

[Email](#) [Tweet](#) [Like](#)

---

[Research Services](#)

[Custom Research](#)

[Telecom Maps](#)

[Telecom Resources](#)

[CommsUpdate](#)

[Press](#)

[About](#)

[Purchase](#)

[Sign In](#)

TeleGeography

A Division of PriMetrica, Inc.

Washington D.C. / San Diego / Exeter / Singapore

U.S. East Coast: +1 (202) 741 0020

U.S. West Coast: +1 (760) 651 0030

U.K.: +44 (0) 1392 493626

Singapore: +65 6534 9685

[sales@telegeography.com](mailto:sales@telegeography.com)

© Copyright 2016 PriMetrica, Inc.

All Rights Reserved.