

### **3 Hong Kong and Huawei demonstrate a TDD+ One LTE network**

**Hong Kong, 3 November 2015** - 3 Hong Kong, the mobile communications division of Hutchison Telecommunications Hong Kong Holdings (HTHKH, stock code: 215), and Huawei, today successfully demonstrated an innovative FDD+TDD and TDD+ (or 4.5G) network at the Global Mobile Broadband (MBB) Forum 2015 in Hong Kong.

The innovative TDD+ solution includes features such as four component carrier (4CC) carrier aggregation (CA), large-scale 4X4 Multiple-Input Multiple-Output (MIMO) multi-antenna technology and 256 quadrature amplitude modulation (256 QAM) to significantly boost network capacity and peak download rates. During the demonstration at the MBB Forum, 3 Hong Kong paired FDD spectrum in the 1800 MHz and 2600 MHz band with TDD 2300 MHz spectrum via CA technology, and achieved record download speeds of 1Gbps by utilising 60MHz of spectrum to maximise bandwidth efficiency.

Mr Peter Wong, CEO and Group Managing Director of HTHKH, said: “3 Hong Kong and Huawei will continue to innovate and bring new mobile technologies to Hong Kong. We plan to re-farm our 900 MHz and 2100 MHz spectrums for LTE network deployment in order to develop a 5CC LTE-A network, further boosting the peak download rate to around 1.3 Gbps. By combining the strengths of mobile, fixed and Wi-Fi networks, we work tirelessly to provide customers with an all-round mobile communication experience with smooth and stable LTE service, plus high-quality content and customer service.”

Mr Ken Hu, Rotating CEO and Deputy Chairman of the Board of Huawei, commented: “Huawei and 3 Hong Kong have been partners for 18 years. We are honoured to work and grow with 3 Hong Kong to ensure that mobile broadband will continue to flourish in Hong Kong.”

3 Hong Kong is currently the only local cellular operator that possesses 900, 1800, 2100, 2300 and 2600 MHz spectrums in Hong Kong. Huawei’s One LTE solution is a way for 3 Hong Kong to better utilise its spectrums and maximise bandwidth efficiency while providing an enhanced user experience. The technology allows 3 Hong Kong to integrate FDD and TDD networks through a multi-mode and multi-band SingleRAN platform, significantly improving network capacity and coverage as well as effectively lowering operating costs.

3 Hong Kong also showcased a commercial smartphone compatible with FDD+TDD 3CC CA technology at a TDD+ demonstration took place in Causeway Bay, one of the world’s most complex wireless environments. More compatible smart devices will be available soon. Driven by high-end users, demand for mobile broadband is particularly strong in Hong Kong, but the city’s

density and topography, with skyscrapers separated by narrow streets, pose extreme challenges to wireless network planning and optimisation.

3 Hong Kong and Huawei have long cooperated to build a high-quality wireless network for the city. In July 2015, 3 Hong Kong, Huawei and Qualcomm Technologies, Inc. introduced Hong Kong's first end-to-end ONE LTE-A commercial network.

The Global MBB Forum 2015 runs until 5 November. Co-organised by the GSMA and Huawei in Hong Kong, it is being attended by 800 leading operators, telecommunications associations, regulatory bodies, standard organisations, analysts firms, vertical industry partners and international media representatives from around the world.

- Ends -

### **About 3 Hong Kong**

3 Hong Kong is a leading mobile communications service provider and the only local operator to own blocks of spectrum across the 900MHz, 1800MHz, 2100MHz, 2300MHz and 2600MHz bands. 3 Hong Kong offers cutting-edge data, voice and roaming services under the "3" brand via far-reaching advanced 4G LTE, 3G and 2G networks. 3 Hong Kong also works with renowned partners to offer a wealth of innovative mobile devices and value-added services, while providing high-speed Wi-Fi at "3HKWiFiService" hotspots to serve Hong Kong's major areas. 3 Hong Kong is the mobile division of Hutchison Telecommunications Hong Kong Holdings Limited (stock code: 215), a group member of CK Hutchison Holdings (stock code: 1).

For more information on 3 Hong Kong, please visit [www.three.com.hk](http://www.three.com.hk).

For more information on HTHKH, visit [www.hthkh.com](http://www.hthkh.com).

### **About Huawei**

Huawei is a leading global information and communications technology (ICT) solutions provider. Our aim is to enrich life and improve efficiency through a better-connected world, acting as a responsible corporate citizen, an innovative enabler for the information society, and a collaborative contributor to the industry. Driven by customer-centric innovation and open partnerships, Huawei has established an end-to-end ICT solutions portfolio that gives customers competitive advantages in telecom and enterprise networks, devices and cloud computing. Huawei's 170,000 employees worldwide are committed to creating maximum value for telecom operators, enterprises and consumers. Our innovative ICT solutions, products and services are used in more than 170 countries and regions, serving over one-third of the world's population. Founded in 1987, Huawei is a private company fully owned by its employees.

For more information, please visit Huawei online at [www.huawei.com](http://www.huawei.com) or follow us on:

<http://www.linkedin.com/company/Huawei>

<http://www.twitter.com/Huawei>

<http://www.facebook.com/Huawei>

<http://www.google.com/+Huawei>

<http://www.youtube.com/Huawei>