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23 November 2017

The 5G Revolution

Will 5G materialize the Gigabit Society?

Hosted by :





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23 November 2017

The 5G Revolution

Will 5G materialize the Gigabit Society?



Forum for Digital Professionals



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5G is Hot

**Some announcements in the press of
last week**





Verizon's Fixed 5G: Are You Ready for the Wireless Gig Rush?

"When we say 1 gig, we're talking averages, we're not talking peaks," said Mike Haberman, the vice president of network support at Verizon Wireless, on Tuesday.

What does this mean for the average household? Haberman suggested, for instance, that -- like FiOS -- Fixed 5G could support ten -- count 'em -- 4K streaming TVs on the system. As a rule of thumb, fixed 5G could use about ten times the data of a Verizon 4G connection.

The typical set-up will have a 28GHz 5G small cell radio within a quarter mile of the homes the service is expected to serve. These could be apartment buildings or suburban cul-de-sacs.

Verizon execs wouldn't yet say how many dwellings they expected to be able to serve with each high band radio. Line-of-sight connections are best, but Verizon insisted that non-line of sight can also work.

The 28GHz antenna would sit in a window and connect to a router inside the dwelling to distribute the signal via WiFi. Verizon showed off a 28GHz antenna from Samsung Electronics Co. Ltd. (Korea: SEC) that it has been using in its 11-market fixed 5G pre-commercial user tests.



Nokia Bell Labs & Verizon Stretch Fixed 5G to the Home:

Nokia Bell Labs is working with Verizon Wireless on a window-mounted radio to help high-band 5G deliver wireless broadband to US homes, but mostly in urban environments. It won't help in areas where foliage can block the 28GHz signal. Tod Sizer, VP of the Wireless Research Program at Nokia Bell Labs, told Light Reading at our 5G Transport & Networking Strategies event in New York Friday that the joint project aims to help the 28GHz signal to be better used in homes, apartments and other buildings.

([Light Reading](#))

Nokia kicks off production of 5G ready base station from Chennai factory:

Finnish telecom gear maker Nokia said that it has begun manufacturing of its 5G-ready multiband base station in India from its Chennai facility, and it will start shipping the product to some global customers by next week. Monika Maurer, Nokia's chief operating officer said that over 9 years the factory has helped telcos roll out new technologies faster.

([ETTelecom](#))

IoT will be a cash cow for carriers



By [Chris Kelly](#), Total Telecom
Thursday 16 November 17

Telcos could generate \$10 per connected cow per year, Huawei CEO suggests. Given the number of cattle out there, that's a sizeable potential revenue stream

Telecoms operators will need to think creatively as they go in search of their next billion subscribers, which could well be bovine rather than human and could bring in sizeable revenue streams, according to Huawei.

The Internet of Things (IoT) will open up new opportunities for carriers to sell enhanced data services to a wide range of new subscribers, Huawei's deputy chairman and rotating CEO Ken Hu said at the Chinese vendor's Global Mobile Broadband Forum in London on Wednesday.



Vodafone CTO: 5G Is Overhyped & It's Mainly About Cost



NEWS ANALYSIS
IAIN MORRIS,
News Editor

11/15/2017

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LONDON – Global Mobile Broadband Forum 2017 – Vodafone's chief technology officer has downplayed expectations that 5G will quickly lead to new business opportunities for telcos and said the next-generation mobile technology is largely about cost efficiencies.

Speaking at a mobile broadband conference hosted by Chinese equipment giant Huawei Technologies Co. Ltd. in London, Johan Wibergh warned the industry against initially "overhyped" 5G and said it would benefit operators in the first two years of rollout mainly by helping them to slash operating expenditure when providing mobile broadband services.

"The increased efficiency that you get from massive MIMO and radio that can handle up to 100 megahertz means 5G is about ten times more cost efficient than 4G," he told conference attendees during a morning keynote session. "We should be talking more about this because at first it will be about mobile broadband, and cost is a challenge with growing data volumes."

Cheerleaders for the standard have argued that 5G will support a range of exciting new applications, including robots and self-driving cars. But some investors and analysts remain skeptical that it will lead to an increase in service revenues for the operators introducing the standard.



Important questions to be addressed

- Can 5G replace FTTH (WTTX versus FTTX)?
- How far is standardization?
- What are the spectrum needs for 5G?
- Will 5G be the network for autonomous driving? Is this the killer app?
- Is Europe lagging versus US and Asia?



Program (1/4)

- 16h40 **What is the status of 5G standardization**

Sofie Pollin (Professor – KU-Leuven)

- 17h10 **The race for the 5G use case**

Michael Peeters (Head of Innovation Portfolio Management – Nokia)





Program (2/4)

- 17h30 **Cooperative, Connected and Automated Mobility**
Geert Van Der Linden (Policy Officer – European Commission)
- 17h50 **Fixed Wireless Access Backhauling**
Wim Van Thillo (Program Director - imec)
- 18h10 **Break**





Program (3/4)

- 18h30 **5G View of Telenet**

Luk Bruynseels (VP Mobile Technology & Roll-out - Telenet)

- 18h50 **5G View of Orange**

Bastien Bianchi (Director Core Network & Transmissions Solutions - Orange)





Program (4/4)

- 19h10 **Panel discussion**

Moderated by Marc Vancoppenolle (Global Head of Government Relations – Nokia)

- 19h35 **Closing message**

Marc Vancoppenolle

- 19h40 **Networking & Reception**





Enjoy your FITCE.be evening

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