



Mobile & Wireless Roundup No. 121 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 121st edition of this newsletter. Recently, some Indian companies made headlines for encouraging employees to work gruelling [70- or 90-hour weeks](#). However, in many parts of the world, people already work these extraordinary hours without being explicitly asked.

It often makes one ponder: Do we live to work, or work to live? Answering this honestly can reveal if we are prioritising work at the expense of enjoying life. Personally, I admit to working more than average, but I'm fortunate to genuinely enjoy my work and have hobbies that complement it. Additionally, my flexible working patterns mean I can start early or finish late as needed, which suits my lifestyle.

A story I once heard on the radio comes to mind. It was about a high-flying banker in [the City](#) (of London). He dedicated his entire life to work and, upon reaching mandatory retirement age (back when it [still existed](#)), was celebrated with a grand farewell on a Friday. He spent the weekend enjoying parties with family and friends but tragically suffered a cardiac arrest within a week and passed away. He simply didn't know how to cope with the sudden freedom.

On a different note, a few years ago, I met a Chinese standards engineer who had recently moved to the UK. After learning about his responsibilities in China, I joked that his professional stature had likely diminished and that his salary no longer stretched as far as it did back home. His response was simple yet profound: he was tired of the relentless "[996 culture](#)" (9 a.m. to 9 p.m., six days a week). Moving to the UK allowed him to pursue hobbies, spend time with his family, and enjoy a more balanced life.

For those of you who don't know me, I am a technologist with over 25 years' experience in mobile wireless technology, currently working as an independent advisor, analyst, consultant and a trainer. This newsletter is a summary of my posts and other news that caught my attention since the last newsletter.



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📍 6G

- Free 6G Training - Germany's Bold Vision for 6G: Insights from the New 6G Platform White Paper ([link](#))

📍 5G

- Verizon: Verizon shatters speed barriers with 5.5 Gbps breakthrough ([link](#))

Verizon, Samsung & MediaTek Achieve 5.5 Gbps on 5G Standalone

Jan. 2025

While LTE-A supported up to 5 Component Carriers (CC), each with a max of 20 MHz for Carrier Aggregation, LTE-A Pro supports 32 CCs

5G NR supports up to 16 CCs of max 400 MHz



6 Component Carrier (6CC) 5G NR Carrier Aggregation
Delivering **5.5 Gbps** in the lab



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- Presentations and Videos from ATIS WSTS 2024 Tutorial Session ([link](#))
- Operator Watch Blog - Kuwait's Telecom Triumph: A Competitive Race to the 5G Frontier ([link](#))
- Mohamed Abbas on LinkedIn: 5G Transport Network Architecture ([link](#))

🕒 4G/LTE

- Nokia's cellular network ready for Moon as Intuitive Machines completes final lunar lander installation ([PR](#))

🕒 Open & Disaggregated Networks (including Open RAN, vRAN, etc.)

- Dean Bublely on LinkedIn: "Some very interesting choices in the latest National Telecommunications and Information Administration (NTIA) funding round from its Wireless Innovation Fund..." ([link](#))

🕒 Spectrum

- Connectivity Technology Blog: Highlights from XGMF's Conference to Advance Millimetre Wave Technology ([link](#))

Europe – mmWave Trials and Use Cases

Italy – FWA	France – Train Station	Germany – University Campus
<ul style="list-style-type: none">• Offered by several operators• Available in multiple cities across Italy• mmWave FWA rivals FTTH in Consistent Quality (Open Signal, 2024)	<ul style="list-style-type: none">• Goal is to meet data demand at peak hours• Augmented reality-based inspection and maintenance• Reliable and quality connection in maintenance center	<ul style="list-style-type: none">• Wi-Fi network unable to meet capacity and mobility requirements• mmWave small cell-based private network is deployed• Affordable and reliable solution

🕒 Private Networks

- Private Networks Technology Blog - Valenciaport Launches Private 5G Network: A Step Toward Smart Port 4.0 ([link](#))

🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Analysys Mason: What opportunities does FTTR bring to telecoms operators? ([link](#))
- Paul Rhodes on LinkedIn - Saturday School: We're Going to Need Some Bigger Ears! / Link Budget For Dummies ([link](#))

🕒 IoT / M2M / Smart Homes

- RCR Wireless: 'LoRaWAN is like Lego', and ready to make IoT 'massive' – LoRa Alliance on 2025 ([link](#))
- Low Latency Power Saving with Low Power-Wake Up Signal/Receiver (LP-WUS/LP-WUR) ([link](#))
- RCR Wireless: Over 100 million Wi-Fi HaLow IoT devices within five years ([link](#))

🕒 Smart Cities

- Tech Brew: Why the world's top automaker is building a futuristic city near Japan's Mount Fuji ([link](#))



🕒 Security & Privacy

- BBC: Security flaw in Amazon's Ring doorbells exposed ([link](#))
- Investigating the Iridium Satellite Network ([link](#))
- Juha Remes on LinkedIn: The world is getting more unpredictable, and we must adapt along ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- MWL Feature: John Deere grows self-driving fleet ([link](#))

🕒 Smartphones, Devices, Wearables & Gadgets

- Digital Camera World: Nikon reveals incredible lens that captures wide and telephoto images simultaneously ([link](#))
- Patently Apple: An Nvidia Patent titled 'Backlight-free Augmented Reality using Digital Holography' will be adopted by Foxconn for their future Smartglasses ([link](#))

🕒 AI, ML & Automation

- TelecomTV: Nvidia CEO ushers in the 'agentic AI' era ([link](#))
- Dean Bublely on LinkedIn: "*This analysis from my analyst peers at Omdia & commentary from James Crawshaw is interesting and seems fairly realistic at first glance...*" ([link](#))
- Jinsung Choi on LinkedIn: Wrapping Up 7-Post AI + Telecom Series 🤖 📡 ([link](#))

📡 Satellites, HAPS, Drones, UAVs & Space

- Steve Greenfield on LinkedIn: "*SpaceX disclosed striking data about Starlink V3 in its 2024 Progress Report. Each V3 satellite, for example, delivers 1 Terabit per second (Tbps) of downlink speed, ten times that of V2 Minis. In other words, given the improved satellites and the larger launch vehicle, a Starship V3 launch should add 60 Tbps to the network, over twenty times a V2 Mini launch...*" ([link](#))
- Telstra to bring SpaceX's Starlink Satellite-to-mobile technology to our customers ([PR](#))

📶 Wi-Fi

- 650 Group: 802.11ah HaLow at CES ([link](#))

📰 Other News and Technology Stuff

- Telefonica: Policy trends in the technology and telecoms sector in 2025 ([link](#))
- Developing Telecoms: SIM registration starts in Togo but is abandoned in Mauritius ([link](#))

📸 **Picture of the week:** Thermal imaging of a Gen3 Starlink antenna reveals the individual tiles of its phased array. Shared by Alex on an [X post](#) (f.k.a. Twitter).



Happy to hear your thoughts. Feel free let me know what worked, what didn't, how I can make this better, etc. Get in touch over LinkedIn!

PDF version of this and previous newsletters are available [here](#).