



Mobile & Wireless Roundup No. 125 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 125th edition of this newsletter. With just a week to go until the annual pilgrimage to Barcelona for MWC 2025, excitement is building. This year, alongside the usual buzz, there's an added dimension — it coincides with the start of Ramadan. The organisers have thoughtfully [arranged](#) prayer areas and will provide dates and water for those breaking their fasts.

AI is set to dominate the show, making its way into devices, infrastructure, applications, and just about everything else. While much of the focus will be on solving today's challenges, we can also expect to see glimpses of emerging technologies vying for a role in the next generation of mobile evolution (a.k.a. 6G).

MWC is always a fantastic opportunity to discover new companies, meet startups, reconnect with industry peers, and explore innovations you may not have paid much attention to before. [Last year](#), a couple of standout demos for me included a novel inside-out coverage approach for [densification](#) and [the use of Li-Fi](#) to tackle mmWave's indoor penetration challenges.

The year before, it was a [holographic display](#) that allowed interaction without special glasses. And pre-COVID, I got to experience an [AR game](#) and learn about Ericsson's [Radio Stripes](#).

This year, I'm keen to explore advancements in 6G, 5G, Private Networks, Open RAN, and AI in telecom infrastructure and networks. If you have a must-see demo, let me know—I'd love to check it out!

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.



## Are you ready for Mobile World Congress 2025?

📣 We can help you reach new and existing customers!!! 📣



Video Interviews



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White Papers

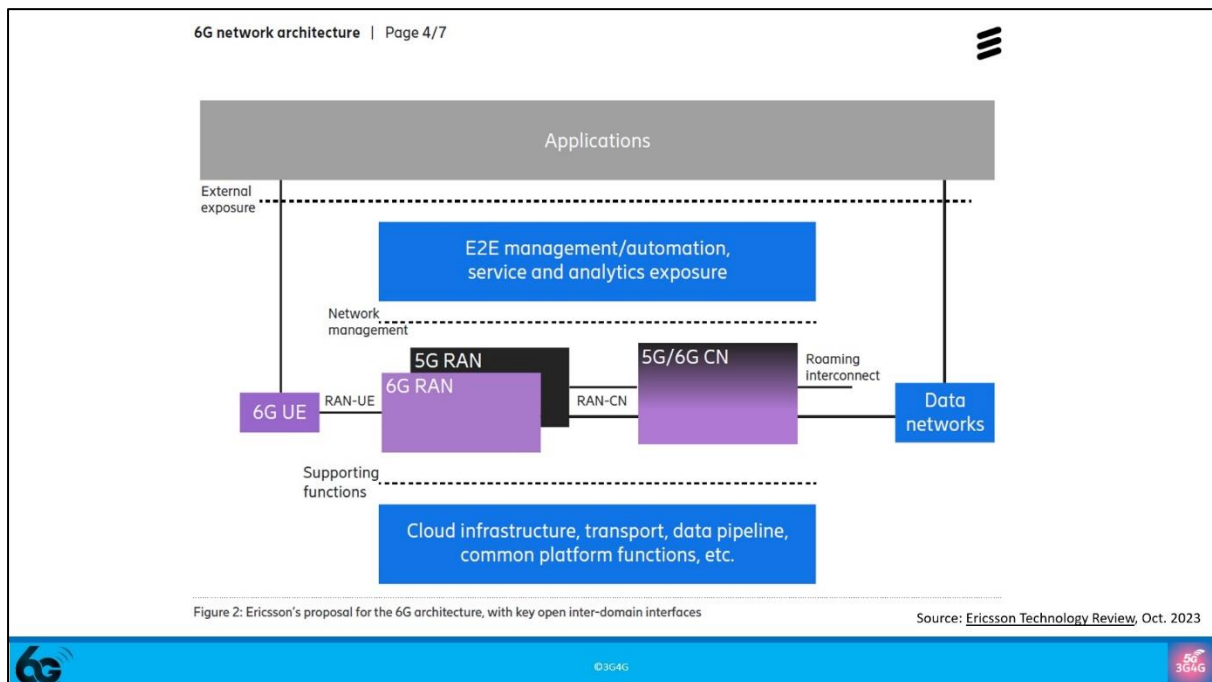


Editorials & Blog Posts

Get in touch to learn more: [contact@odinews.tech](mailto:contact@odinews.tech)

### 6G

- European Commission RSPG Report: 6G Strategic vision ([link](#))
- Free 6G Training - NGMN's New Report on 6G Network Architecture: A Call for Balance ([link](#))
- Light Reading: 6G bust-ups loom ahead of MWC and 3GPP gatherings ([link](#))
- Operator Watch Blog: NTT Docomo's Beyond 5G and 6G Vision ([link](#))
- Salim S I on LinkedIn: What do you think about 'core-light' 6G? ([link](#))
- Free 6G Training - The Evolution of Core Networks in 6G: A Pragmatic Approach ([link](#))



### 5G

- GSMA releases a new report on "The Journey to Complete 5G" ([link](#))

- Jinsung Choi on LinkedIn: Why Open-Source 5G for AI-RAN Research? ([link](#))

## 🕒 2G/3G

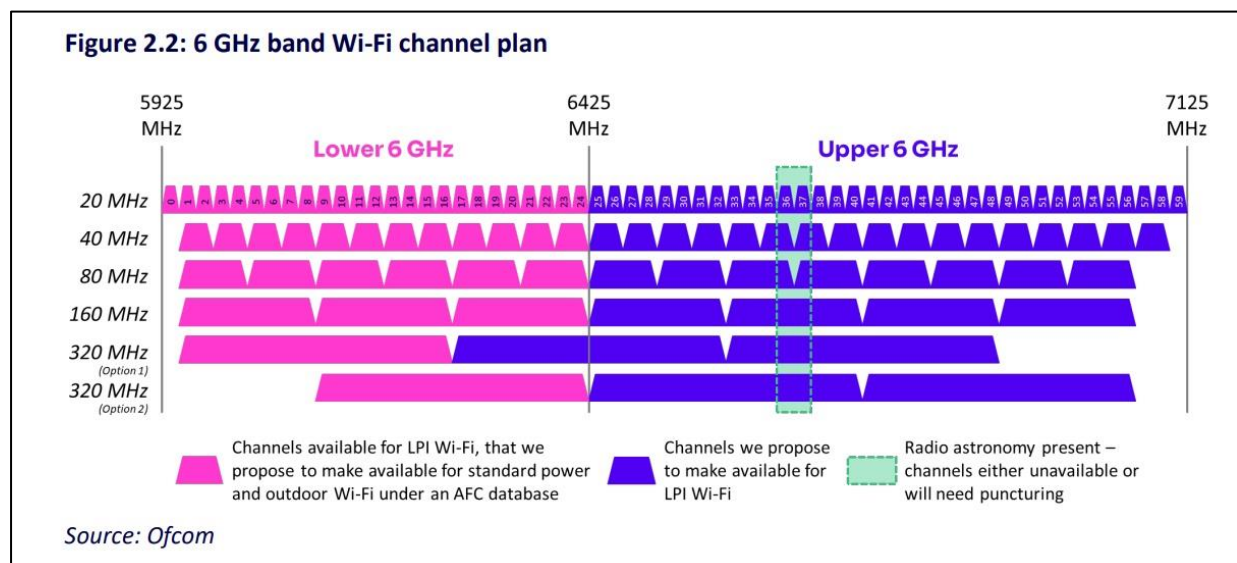
- Nick Jones on LinkedIn: "With all this talk of 5G and now 6G, it's sobering to think that the majority of roaming agreements today use 2G/3G and CAMEL for all the realtime charging..." ([link](#))
- Developing Telecoms: MTN South Africa to shut down 3G a year earlier than planned ([link](#))

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

- Kyocera to Establish "O-RU Alliance" to Advance 5G Open RAN Deployment in Collaboration With Six Telecom Partners ([PR](#))
- ODIN: Japan Backs Philippines' Open RAN Lab with \$3M Grant Amid USAID Shutdown ([link](#))
- NEC Develops Near Real-time RIC for High Performance 5G vRAN ([PR](#))
- ODIN: Putting More Open Into Open RAN Certification ([link](#))

## 🕒 Spectrum

- Tim Miller on LinkedIn: "The introduction of Apple's new C1 chip means that, for the first time, a 5G-capable iPhone is not compatible with mmWave spectrum anywhere in the world..." ([link](#))
- Light Reading: Satellite texting could leave MSS spectrum lost in space ([link](#))
- Ofcom Consultation: Expanding access to the 6 GHz band for commercial mobile and Wi-Fi services ([link](#))



## 🕒 Private Networks

- MWL: Vodafone scores UK private 5G deal ([link](#))
- Ericsson Private 5G to support JLR's Digital Manufacturing Transformation ([PR](#))
- Private Networks Technology Blog: How 5G is Transforming Warehouse Automation and Efficiency ([link](#))

## 🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Telecoms Infrastructure Blog: Electric Vehicles as a Resilient Power Source for Telecom Infrastructure ([link](#))
- Airspan announces agreement to acquire Corning's Wireless Business ([PR](#))
- Paul Rhodes on LinkedIn - Monday Musings: Small Cells in a Big Arena! ([link](#))
- Telecoms Infrastructure Blog - Meta's Project Waterworth: The Next Evolution in Subsea Connectivity ([link](#))



- KDDI: Technical Verification Completed for Cluster-Based Distributed Disaggregated Backbone Router (DDBR) to Support Flexible Scalability in Backbone Networks ([link](#))
- Paul Rhodes on LinkedIn - Thursday School: Engineering; A place for Everything, and Everything in its place! ([link](#))

### 🕒 Security & Privacy

- Denis Laskov on LinkedIn: "A deep dive into healthcare communication protocols and their security vulnerabilities. Medical cybersecurity in a nutshell..." ([link](#))
- Denis Laskov on LinkedIn - "Rentable IoT products (e-scooters, EV chargers, etc.) and how to hack them: 57 vulnerabilities in 28 products that could affect millions of users..." ([link](#))

### 🕒 Smartphones, Devices, Wearables & Gadgets

- Light Reading: Huawei tri-fold phone expansion coincides with farewell to iPhone SE ([link](#))
- Light Reading: Apple abandons Qualcomm chip in new iPhone 16e ([link](#))

### 🕒 AI, ML & Automation

- Jinsung Choi on LinkedIn - Bridging the Gap: How the AI-RAN Alliance Can Unlock AI/ML's Full Potential in 3GPP and Beyond ([link](#))
- Wireless Future: Can Explainable AI Make Wireless Networks Better? ([link](#))
- Zaffareen Khan on LinkedIn - Webinar Summary: Transforming Data into Business Value Using AI and Automation ([link](#))

### 🕒 Satellites, HAPS, Drones, UAVs & Space



- Tutorial Session on Non-Terrestrial Networks (NTNs) and 3GPP Standards from 5G to 6G ([link](#))

## Satellite access architecture in 3GPP Rel-17/18

**Transparent payload (Rel-17/18)**

- Base station (gNB) on the ground
- Transparent ("bent pipe") satellite payload: Radio interface terminated on the ground
- All network interfaces terminate on the ground

RF operations only  
(not capable of decoding packets)

#Free5Gtraining
#3G4G5G

### 🕒 Other News and Technology Stuff

- TelecomTV: Japan's attempt at a silicon renaissance is absolutely fabulous ([link](#))
- Microsoft's Majorana 1 chip carves new path for quantum computing ([PR](#))
- Simon Wardley on LinkedIn: "In 2022/23, I mapped out the Telco industry with a group of Telco experts. It was quite clear that where Telcos should focus (long term social benefit) was dominated by SpaceX & Starlink..." ([link](#))

PERSPECTIVE: FOCUSED ON BENEFIT TO SOCIETY (TELECOM MAPPING GROUP)	PRIORITY FOR INVESTMENT <b>TELECOM FEB 2023</b>	PERSPECTIVE: BENEFIT TO MARKET (PROXY: MARKET / INVESTMENT REPORTS, AGGREGATED ANALYST REPORTS)
NON TERRESTRIAL NETWORKS	<b>HIGH</b>	EMERGING TECHNOLOGY (M2M/IoT/5G)
INDUSTRIALISING SPACE / LAUNCHERS		AUTOMATION (PROCESSES)
EDGE WIRELESS NETWORKS / MESH NETWORKS		DATA ANALYTICS (USERS)
GOV POLICY	<b>MODERATE</b>	EXISTING ASSETS (FIBRE, REAL ESTATE, TOWERS)
SUPPLY CHAIN AWARENESS (PHYSICAL AND DIGITAL)		NEW BUSINESS MODELS / COMPETITIVE LANDSCAPE
EMERGING TECHNOLOGY (SATELLITE & CONTROL SYSTEMS)		CONTENT
NEW BUSINESS MODELS / COMPETITIVE LANDSCAPE		IDENTITY
BORDER CONTROL / SECURITY	<b>LOW</b>	SUSTAINABILITY (ENERGY)
EXISTING ASSETS (FIBRE, REAL ESTATE, TOWERS)		BORDER CONTROL / SECURITY
CONTENT		EDGE WIRELESS NETWORKS / MESH NETWORKS
SPECTRUM ALLOCATION	<b>LOWEST</b>	VIRTUAL NETWORK FUNCTIONS
EMERGING TECHNOLOGY (M2M/IoT/5G)		NON TERRESTRIAL NETWORKS
SUSTAINABILITY (ENERGY)		TALENT
DATA ANALYTICS (USERS)		SPECTRUM ALLOCATION
AUTOMATION (PROCESSES)		SUPPLY CHAIN AWARENESS (PHYSICAL AND DIGITAL)
IDENTITY		GOV POLICY
TALENT		EMERGING TECHNOLOGY (SATELLITE & CONTROL SYSTEMS)
VIRTUAL NETWORK FUNCTIONS		INDUSTRIALISING SPACE / LAUNCHERS

© **Picture of the week:** Evo-Rail is enhancing connectivity for South Western Railway passengers by deploying superfast Wi-Fi along the route between Earlsfield (near Clapham Junction) and Basingstoke — one of Europe’s busiest commuter corridors. Richard Graham, Director of Technology at Evo-Rail, shared images on LinkedIn of trackside antennas discreetly mounted on poles along the route, showcasing the infrastructure that will deliver a seamless high-speed internet experience for travellers. Details [here](#).



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](#).