

## Mobile & Wireless Roundup #46 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 46th edition of this newsletter. I am sure you are aware the big news this week was the launch of [Apple Vision Pro](#), with Apple welcoming us all to the era of 'spatial computing'. It was just an initial announcement with the product launch next year and a price of US\$3,499, in the USA.

If for some reason you follow me on Twitter, you may have seen the old advert of [Iridium](#) that I posted [here](#). It was a revolutionary concept of being able to call from anywhere in the world but cost \$3,000, just for the handset. A WSJ [article](#) said, "A month after launch, the ballyhooed company had made more money selling mugs and T-shirts than handsets and service." Fortunately, I don't think the Apple headset will go that way.

I believe that Metaverse or whatever it will be called in future will come to pass but we will need the power of a computer in light glasses or in contact lens. This is still long way away. For some others who are working on [brain-computer interface](#), they think that it will be a chip in our brain that will allow us to communicate and these glasses and HMDs are just temporary solutions. Frankly, as an end user, I'm not sure what the final product/solution should be. But it has to be affordable, safe and most importantly secure.

For those of you who don't know me, I am a technologist with over 24 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 others news that caught my attention since the last newsletter.



### 🕒 6G

- Free 6G Training: NICT Japan's Beyond 5G and 6G Era Scenarios ([link](#))

### 🕒 5G

- 5G Release 17 Poster ([link](#))
- In the latest article in new Technical Journal, NTT Docomo provides an Overview of 5G Core Network Technologies for 5G SA ([link](#))
- Broadband TV News: TDF and France Télévisions trialling UHD on DTT and 5G Broadcast ([link](#))

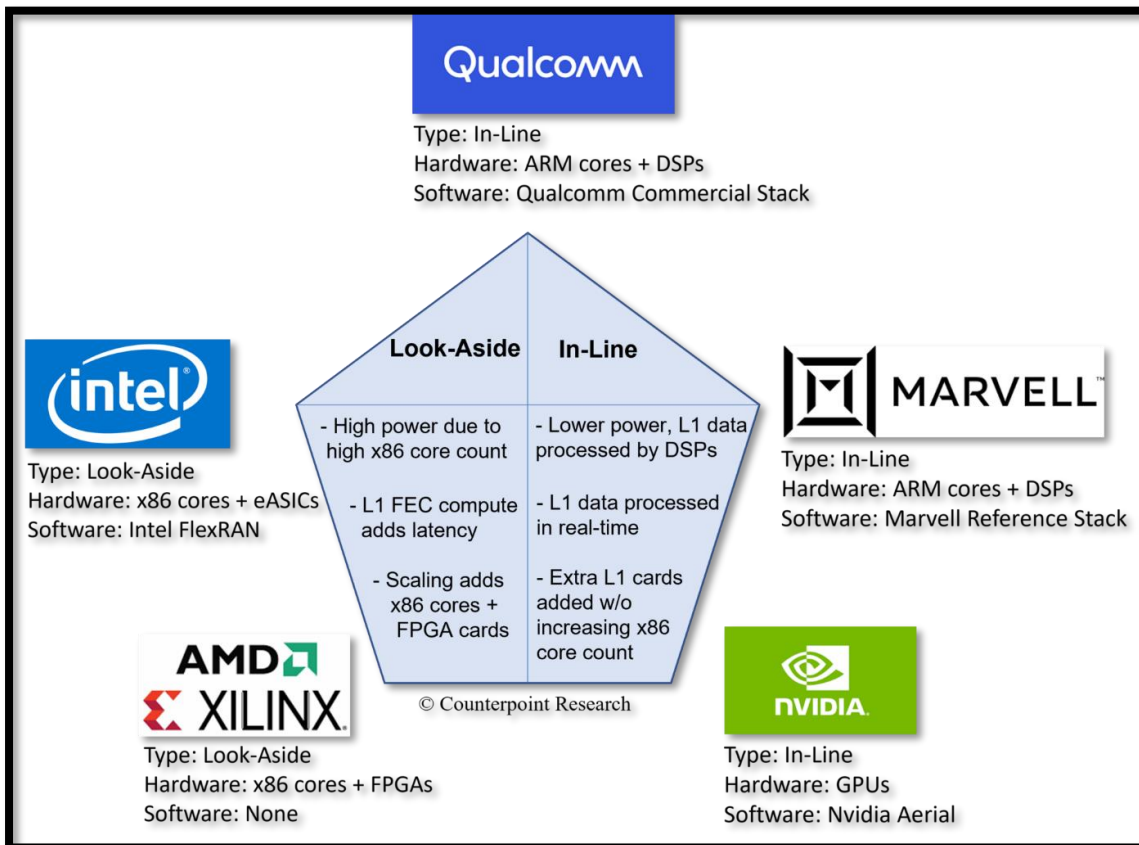
### 🕒 2G/3G

- Orange Belgium's 3G network is bowing out in favour of 4G and 5G ([link](#))
- Commsupdate: Viva-MTS still expanding 2G, 3G & 4G coverage in Armenia ([link](#))

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

- Paul Rhodes on LinkedIn: "You there: State your Bias!..." ([link](#))

- ET Telecom: Fujitsu exec reportedly says Open RAN struggles to compete with kits by Nokia, Ericsson ([link](#))
- Marcin Dryjanski discusses x/rApp Store for 5G MNOs on LinkedIn ([link](#))
- Paul Rhodes on LinkedIn - RAN Functional Splits: Whose CPU Capacity is it Anyway? ([link](#))
- Counterpoint Research: Open RAN Networks – Layer 1 Acceleration Strategy Will Be Key To Operator Success ([link](#))



### 🕒 Spectrum

- Dean Bubley's Twitter Threads from Forum Europe's 18th European Spectrum Management Conference ([day 1](#), [day 2](#), )

### 🕒 Private Networks

- Private Networks Technology Blog: Service Level Agreements (SLAs) for Private Networks ([link](#))
- Connectivity Technology Blog: Connecting Large Offshore Wind Farms with Private LTE & 5G Networks ([link](#))
- RCR Wireless: Private 5G – the bigger view ([Part 1](#), [Part 2](#))
- Private Networks Technology Blog: Airbus Lists Key Benefits of Mobile Private Networks (MPN) ([link](#))
- ABI Research: Over 1,000 Private Cellular Networks Announced in 2023, but Restrictive Spectrum Allocations and Telco Inertia Pose Threats to Future Growth ([link](#))

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

- Light Reading: EE ramps up 4G small cell rollout to over 600 sites ([link](#))

## 🕒 IoT / M2M / Smart Homes

- Vodafone: 3.3 billion devices will be trading with each other by 2030 according to new report ([link](#))
- Transforma Insights: IoT Connectivity Management Platforms are in a period of transition ([link](#))

## 🕒 Virtualization, Cloud & Edge

- Telecom TV: NTT report reveals double-edged sword for enterprise users ([link](#))
- The Guardian - 'We're mowed over': colossal data centers are taking over the US countryside ([link](#))

## 🕒 Security & Privacy

- Nokia Threat Intelligence Report finds malicious IoT botnet activity has sharply increased ([link](#))

## 🕒 Smartphones, Devices, Wearables & Gadgets

- MWL - 5-min highlights: Apple's Vision Pro launch ([link](#))
- Counterpoint Research: Apple Thinking About the Next Decade & Beyond with Vision Pro Announcement ([link](#))
- The Verge: Apple has bought an AR headset startup called Mira ([link](#))
- Analyst Paolo Pescatore was there in Apple Park to witness the launch of Apple Vision Pro. Here is his 'first impressions after using it' on [LinkedIn](#) and 'Initial thoughts on the day' on [LinkedIn](#) as well.

## 🕒 AI, ML & Automation

- Twitter Thread by Marc Andreessen on "Why AI Will Save The World" ([link](#))

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

- The European Space Agency - ESA Explores the Role of Satellites for 5G & 6G ([link](#))
- MWL: Spark, New Zealand, targets sat-to-phone trial by year-end ([link](#))

## 🕒 Metaverse & Extended Reality (XR)

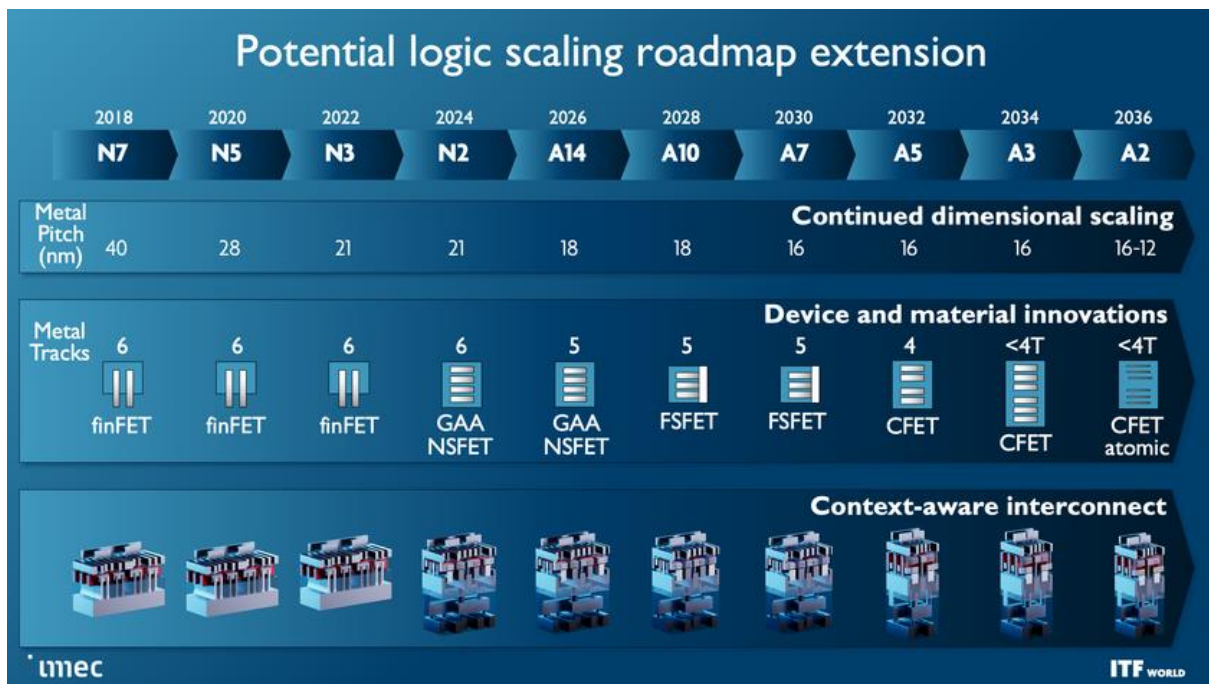
- IEEE Spectrum: Wow, Is Apple's Vision Pro Loaded With Pixels - Cupertino's pace-setter AR/VR display leaves the metaverse in the metadust ([link](#))

## 🕒 Sustainability

- Orange Group explains how Energy and Carbon Footprint Reduction is a priority for them and what approach they are using ([link](#))
- RCR Wireless: 5G has major potential to impact sustainability, but... ([link](#))
- Shine On - Centrica opens its first UK solar farm ([link](#)) - Vodafone supports development with long term Power Purchase Agreement for 50% of the output over 10 years

## 🕒 Other News and Technology Stuff

- Operator Watch Blog: Low Cost Bit Factory as Foundation for Axiata's Telco to Techco Evolution ([link](#))
- IEEE Spectrum: Keeping Moore's Law Going Is Getting Complicated ([link](#))



- Ookla: Swiss Operators Sacrifice Speed for Coverage Gains ([link](#))
- Ookla - Live Fast, Work Abroad: Countries with Remote Work Visas and Great Internet ([link](#))
- The Verge: The odd appeal of absurdly long YouTube videos that play nothing on purpose ([link](#))
- TelecomTV: EU stumps up €8.1bn to fuel home-grown chip tech ([link](#))
- Light Reading: China Telecom network crash takes down millions ([link](#))

📌 **Picture of the week:** Cable plowing is a construction method that uses a heavy vehicle called a cable plow to directly bury fiber into the ground as the plow drives along the right-of-way. You can read about it [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](#).