



## Mobile & Wireless Roundup No. 148 (see original on [Web!](#))

By Zahid Ghadialy

Welcome to the 148th edition of this newsletter. Generative AI is improving at an astonishing pace. I keep coming across incredible videos created using different tools. Many parody videos featuring world leaders look so realistic that it is hard to believe they are not genuine.

The potential impact of this technology is huge. Industries that rely on large teams to produce videos for entertainment or advertising could see major disruption once the technology reaches a certain level of maturity. Recently, an older Indian film [was re-released with an AI-generated alternative](#) ending. The actors criticised the change, but the rights holder wanted to create a happier conclusion than the original. Seeing this made me wonder if one day someone will remake the final season of Game of Thrones to give it a better ending 🤖.

There is also a positive side. Creative individuals with great ideas but limited resources will be able to share their stories with the world more easily. In some cases, they could even surpass established creators in popularity. Fake images and videos are already common, but most can still be spotted due to their flaws. Once the technology is mature, it may become impossible to separate fact from fiction.

I [once mentioned](#) how I grew up believing that by the early 2000s we would have flying cars powered by water, yet in 2025 we still do not. It may be that our concerns about AI are premature and that widespread use will take longer than expected. Premium versions might become available to those willing to pay, while the mass market waits.

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.



## © 6G

- The 3G4G Blog: Is 6G Our Last Chance to Make Antennas Great Again? ([link](#))

**Band growth and CA combos**

Generation	Defined frequency bands	CA combinations
GSM	13	0
UMTS	25	42
LTE	74	890
NR	71 + 7 (FR2)	973

**FED UP WITH**

**3GPP DOCUMENTATION !!!!**

rumney telecom

#3G4G5G

5G 3G4G

- Free 6G Training: The 79 Projects Shaping Europe's 6G Vision with KPIs and KVs ([link](#))

## © 5G

- GTI 5G-AxAI New Technology, New Case, New Model White Paper ([link](#))
- ZTE 5G-A EasyOn-Robot private network facilitates multi-robot collaboration at WAIC 2025 ([PR](#))
- RCR Wireless: Jio Platforms launches 10 live 5G network slices ([link](#))
- Huawei Blog - Where 5G-A Meets AI: 5 Telco Use Cases ([link](#))

- Light Reading: 5G standalone (SA) is set to scale worldwide ([link](#))

## 🕒 4G/LTE

- GSA Summary Report: FWA Market June 2025 ([link](#))
- Chris Cockings on LinkedIn: Field Testing: Network-Initiated Detach (Reattach Required) ([link](#))

## 🕒 2G/3G

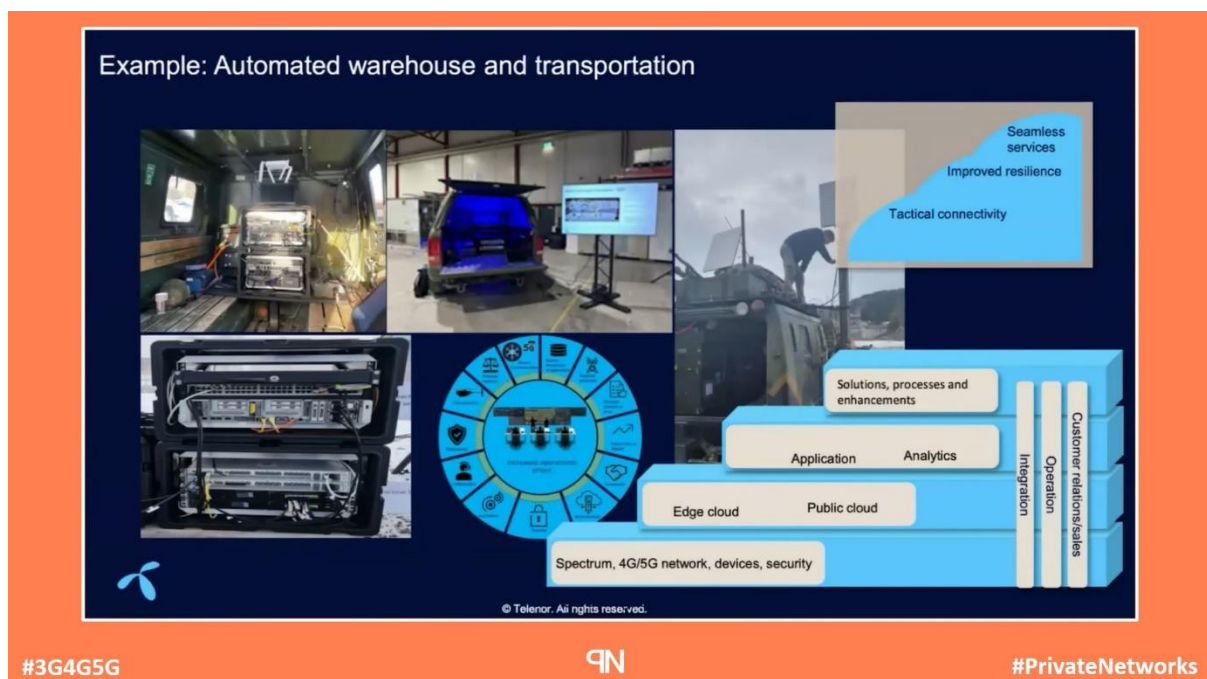
- MWL: ProRail hands Nokia unusual task ([link](#))

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

- TMN: AT&T and Ericsson trumpet 1Finity small cell Open RAN integration ([link](#)) – AT&T PR [here](#).
- TelecomTV: Why there are no guarantees for 6G Open RAN ([link](#))

## 🕒 Private Networks

- IoT Insider: How Private 5G networks and IFPP are powering next wave of Industrial IoT ([link](#))
- Private Networks Technology Blog: Telenor's Take on the Progress of Private 5G Networks ([link](#))



## 🕒 Spectrum

- MWL: AST SpaceMobile pays \$64M for S-band spectrum ([link](#))
- Fiji Ministerial Statement: National Strategy for 5G Spectrum Assignment and Commercial Deployment ([link](#))
- BNAmérica: Only two companies submit applications for Paraguay's 5G spectrum tender ([link](#))
- MWL: Pakistan inches towards 5G spectrum sale ([link](#))
- Peter Clarke on LinkedIn: "Spectrum success now and into the future for Virgin Media O2 with 3G sunset facilitating 15MHz NR 900MHz, gigabit brilliance from 80MHz n78 bandwidth"

spreading rapidly and the arrival of additional spectrum on the horizon through spectrum trading as a result of VodafoneThree merger ..." ([link](#))

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

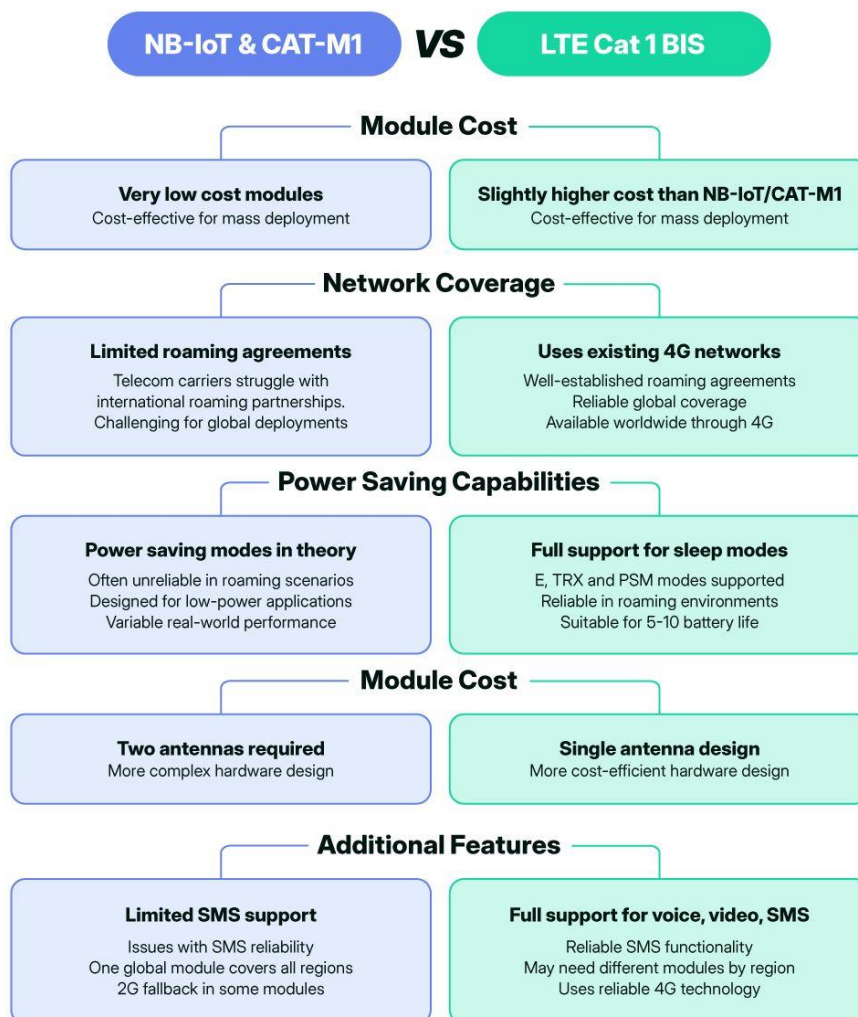
- Paul Rhodes on LinkedIn - Sunday School: Carnaby All Right! ([link](#))
- Paul Rhodes on LinkedIn - Thursday School: A Night on the Tiles! ([link](#))

### 📡 IoT / M2M / Smart Homes

- MWL: T-Mobile IoT to plug US water loss ([link](#))
- Märt Kroodo on LinkedIn: "A few years back, NB-IoT (NarrowBand-IoT) and Cat-M1 (LTE-M) connectivity were the hot topics in the market. They promised cheap modules/hardware and attractive power saving modes for ultra low data volume use cases..." ([link](#))

## NB-IoT & CAT-M1 vs LTE Cat 1 BIS

IoT Connectivity Evolution



- MWL: Water company taps Telefonica Brazil for \$700M NB-IoT project ([link](#))

- Memfault COREDUMP #014: Why Your IoT Project Still Hasn't Taken Off — And How to Fix It ([podcast](#))

## 🔴 Virtualization, Cloud & Edge

- Inderpreet Kaur on LinkedIn: How telco cloud networking is evolving ([link](#))

## 🔴 Security & Privacy

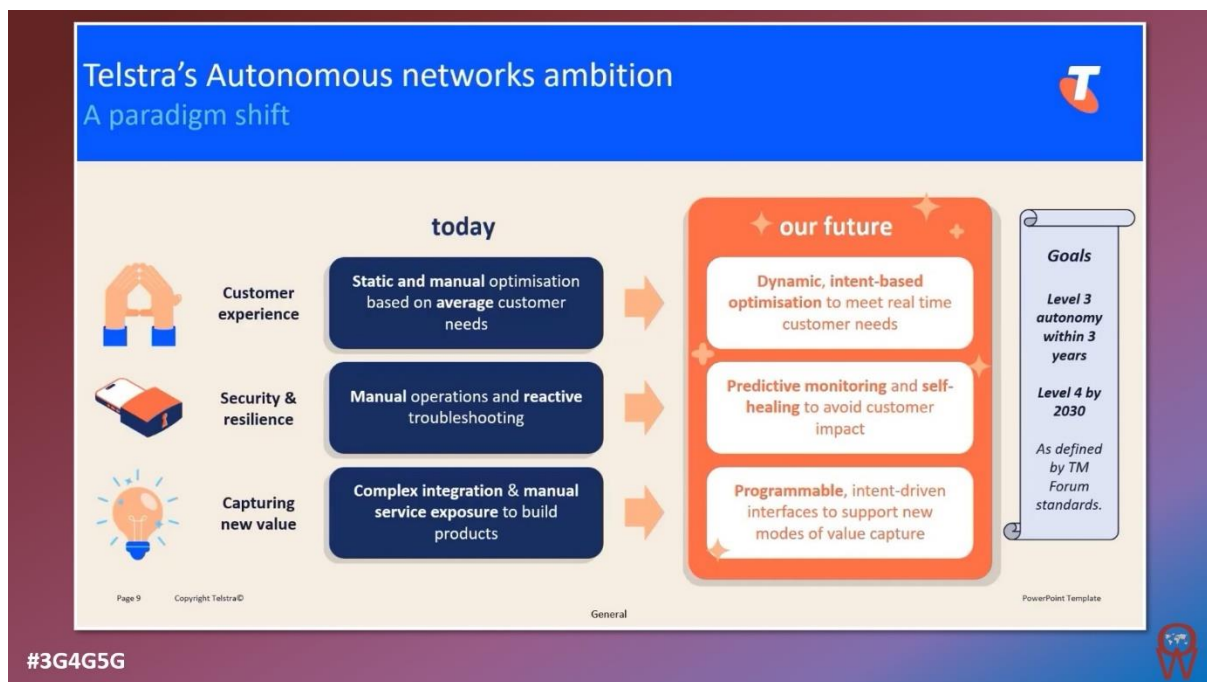
- Denis Laskov on LinkedIn: Voltage noise attack: From outlet to wireless charger to device - either control it, or watch it burn. ([link](#))
- CommsRisk - Choicejacking: A New Way to Compromise Mobile Phones through Public Charging Points ([link](#))
- Denis Laskov on LinkedIn: A reverse engineering journey into the Qualcomm APQ8064 SoC: boot process, JTAG access, and firmware-level security ([link](#))

## 🔴 Smartphones, Devices, Wearables & Gadgets

- Gizmodo: Apple CEO Tim Cook Calls AI 'Bigger Than the Internet' in Rare All-Hands Meeting ([link](#))

## 🔴 AI, ML & Automation

- Operator Watch Blog: Telstra's Bold Journey to RAN Autonomy and Beyond ([link](#))



- Light Reading: Rakuten and Optus join the agentic party ([link](#))

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

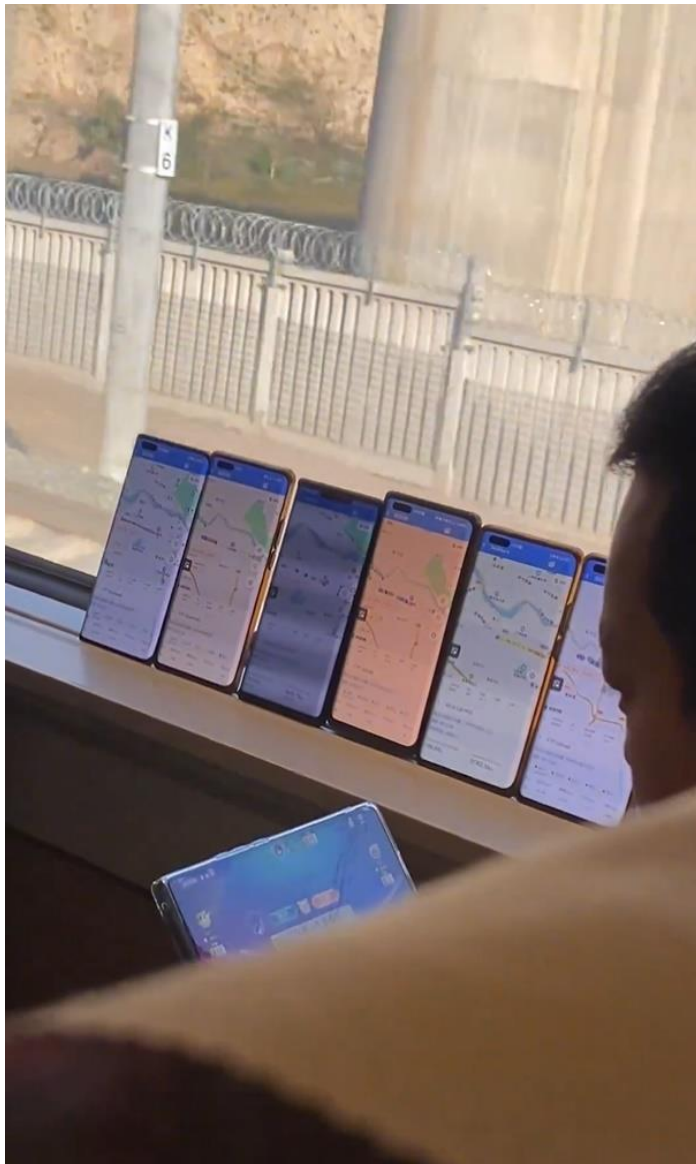
- Light Reading: NBN-Amazon deal to bring Project Kuiper to Australia by 2026 ([link](#))
- MWL: AST SpaceMobile's next-gen bird launch delayed ([link](#))
- RCR Wireless: Europe clears path for satellite LoRaWAN in 862–870MHz band ([link](#))
- Mike Dano on LinkedIn: "Goldman Sachs estimates LEO satellite providers to get around \$240 million in revenues from mobile phones in 2026, if I'm reading this chart right..." ([link](#))



### ☉ Other News and Technology Stuff

- The Guardian: Enough of the billionaires and their big tech. 'Frugal tech' will build us all a better world ([link](#))
- TechCrunch: Perplexity accused of scraping websites that explicitly blocked AI scraping ([link](#))
- Mastercard: Harnessing the transformative power of AI in AFRICA ([pdf](#))
- ERR: Estonia adopts new cell broadcast emergency alert system ([link](#))
- Dean Bubley on LinkedIn: "*A major challenge for #telcos wanting to remain relevant in #voice services and #telephony is grasping the concept of "intelligent audio" ...*" ([link](#))

☉ **Picture of the week:** China Mobile testing signal quality on high-speed rail – [shared by @TriplnChina on X](#) (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](#).