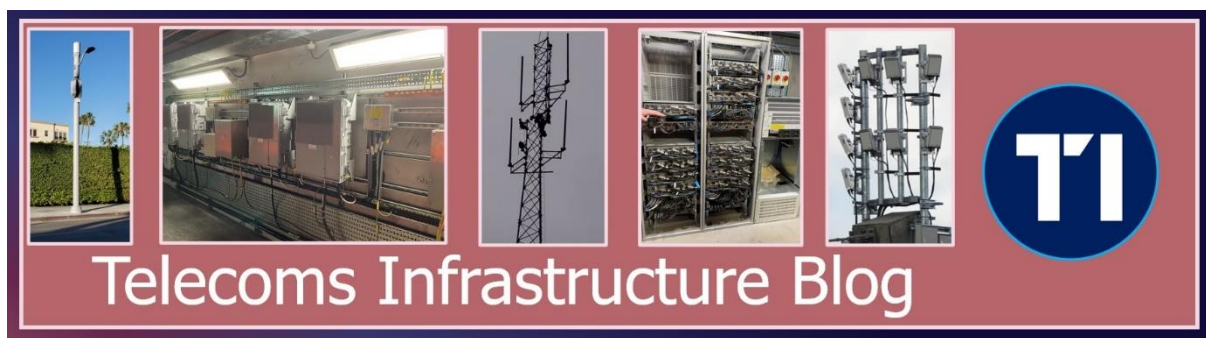


Mobile & Wireless Roundup #24 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 24th edition of this newsletter. In December it felt like many people were in a hurry for the new year. I started receiving happy new year wishes even before mid-Dec. In any case, it is the 1st of January so I wish you and your family a happy, healthy, prosperous and successful new year that brings peace and joy to your lives.

For those of you who don't know me, I am a technologist with over 23 years' experience in mobile wireless technology, currently working as an independent analyst, consultant and a trainer. This newsletter is a summary of my posts and others news that caught my attention since the last newsletter.



🕒 2023 Predictions

- Dean Bubley has predictions for 2033 🗓️ ([link](#))

🕒 6G

- 6G World Editorial – Dispelling Common 6G Illusions ([link](#))
- UPM - Green electric vehicles and lightning-speed 6G: How wood-based electronics could turn the industry upside down ([link](#))
- Mehdi Bennis on Twitter: “2023 gotta be when 6G comes out of its closet b/c as of today, the mathematical foundations of...” ([Tweet](#))

🕒 5G

- 5G New Radio (NR) for Beginners ([link](#))
- Overview of 5G Advanced Evolution in 3GPP Release 18 ([link](#))
- Strategy Analytics: 5G Subscriptions Pass One Billion and Sustain Operator Performance Gains in H2 2022 ([link](#))

🕒 4G/LTE

- What is RF Front-End (RFFE) in your Smartphone and why is it so Important? ([link](#))

🕒 Open RAN/vRAN

- SDxCentral: Microsoft Maintains Open RAN Momentum ([link](#))
- TelecomTV: The most popular Open RAN stories of 2022 ([link](#))

🕒 Spectrum

- Fierce Wireless: Is it time for mmWave 2.0? — Pongratz ([link](#))

📱 Smartphones, Devices, Wearables & Gadgets

- Milan Milanović on Twitter: “Looks like the @SamsungMobileUS hardware design team decided to omit the NR Uplink MIMO & PowerClass 1.5 capabilities from its upcoming #GalaxyS23 series. What a missed opportunity 🤔 - <https://fccid.io/A3LSMS918U>” ([Tweet](#))

🧠 Artificial intelligence & Machine Learning

- Dr Jim Fan on Twitter: “The AI explosion is warping our sense of time. Can you believe Stable Diffusion is only 4 months old, and ChatGPT <4 weeks old 🤖? If you blink, you miss a whole new industry. Here are my TOP 10 AI spotlights, from a breathtaking 2022 in rewind 📺: a long thread 📖” (Twitter [thread](#))

📡 Satellite Connectivity

- Twitter thread on Satellite design for Direct-To-Handset (DTH) technology ([link](#))
- NTT Technical Review: Studies toward Practical Application of HAPS in the Space RAN ([link](#))

🛡️ Public Safety Networks

- IEEE Webinar on Starlink Emergency Safety Network ([link](#))

📰 Other News and Technology Stuff

- Dean Bubley on Neutral host networks, offload and localised wholesale models ([link](#))
- Nick vs Networking: SMS-over-IP Message Efficiency - How much overhead is used to send the message “K” back to an SMS? ([link](#))
- The Register - Too big to live, too loved to die: Big Tech's billion dollar curse of the free ([link](#))
- ITU: A quarter century of increasing fixed-broadband speeds ([link](#))

🖼️ **Picture of the week:** A researcher at IBM’s Thomas J. Watson Research Center examines some of the quantum hardware being constructed there ([source](#))



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](#).