

Mobile & Wireless Roundup #6

By Zahid Ghadialy

Welcome to the sixth edition of this newsletter...

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.

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🕒 6G

- Free 6G Training: 6G = 3C + 3D ([link](#))
- Sustainability as an Integral Part of 6G System Architecture Design ([link](#))

🕒 5G

- The 3G4G Blog: Managing 5G Signalling Storms with Service Communication Proxy (SCP) ([link](#))
- ABI Research Whitepaper: Is The Industry—And The World—Ready For 5G Advanced? ([link](#))
- RCR Wireless: How are Japanese operators approaching mmWave 5G? KDDI, NTT DoCoMo, Rakuten Mobile and Softbank have all deployed mmWave 5G ([link](#))
- Total Telecom: Malaysian telcos finally agree to take stakes in the nationwide 5G wholesaler, DNB ([link](#))
- Khabar Infra: India's own 5G technology – 5Gi ([link](#))
- ICYMI – Telecoms.com: Nearly 90 percent of new 5G devices support standalone ([link](#))
- Charlotte Patrick: NWDAF Enthusiasm in 2022 ([link](#))
- Vodafone Germany is working with Hyundai to use 5G Robots to alleviate the shortage of staff in hospitality industry ([link](#)) – *“Disinfecting tables, cleaning the floor, and serving drinks, autonomous service robots are an effective remedy for any business struggling with staff shortages. This also means their human colleagues can now focus on the most critical part of the service experience – human interaction.”*



🕒 4G/LTE

- 3GPP SON Series: Coverage and Capacity Optimization (CCO) ([link](#))
- What is a Multi-Band Cell in an LTE Network? ([link](#))
- Operator Watch Blog: Colombians Pin Their Hopes on 5G Due to Lacklustre 4G Experience ([link](#))

🕒 Open RAN

- ICYMI: My article on 'Real-World Open RAN Deployments and Challenges' at TeckNexus ([link](#))
- Light Reading: Verizon promises O-RAN deployment 'definitely' by 2023 ([link](#))
- Light Reading: With hacks on the rise, Microsoft looks to secure open RAN ([link](#))

🕒 Private Networks

- Vanilla Plus: Do you have what it takes to build a private network? The 5G Consortium can help ([link](#))

🕒 IoT / M2M

- The Stack: Google is killing off Google Cloud IoT Core ([link](#))
- Electronics Design: Digi-Key's Scott Raker shows off some IoT kits and an FPGA-based test-and-measurement platform at Sensors Converge ([link](#))

🕒 Security & Privacy

- 5G Cybersecurity Introduction by Dell Technologies Certification team ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- 5GAA and 6G-IA signed an MoU as a result of their mutual interest in strengthening the liaison between EU-funded projects on V2X and Connected and Automated Driving (CAD) ([link](#))

🕒 Satellite Connectivity

- Fierce Wireless: Omnispace aims to connect 5G mobile phones to satellite network ([link](#))
- MWL: Philippines MNO Smart launches second satellite collaboration with ([link](#))
- MediaTek and R&S demonstrates the potential of 5G NTN technology ([link](#))
- Telecom TV: Satellite firm's 5G-based 'one global network' dream gets closer to reality ([link](#))

🕒 Wi-Fi

- Newsweek: New Wi-Fi Reflection Tech Could Send Signal Through Impenetrable Walls ([link](#))
- BNA: Bahrain have allocated 5.5 and 6 GHz spectrum for Wi-Fi 6 and Wi-Fi 6E applications ([link](#))
- Dean Bublely on 'The ideas behind so-called "decentralised wireless"' (Twitter [thread](#))

🕒 Other News and Technology Stuff

- ITWeb Africa: Africa bears the brunt of internet shutdowns ([link](#))
- Digits to Dollars: Why is Amazon Building CPUs? ([link](#))
- Robots made of magnetic slime can be inserted into the human body for operations such as removing accidentally swallowed objects ([Tweet](#))
- Theft of 1500m of copper cable leaves French town of 500, Saint-Nicolas-de-Bourgueil, in Indre-et-Loire, without Internet for a month! ([link](#) – in French)
- EE Journal - Moore's Law: Not Dead Yet? Nope, Says Intel:, Behold Intel 4... and 3 ([link](#))
- EE Journal: Samsung Announces 3nm Process Node, the First with Gate-All-Around FETs ([link](#))
- TechEBlog: Engineers at MIT Fabricate a Chip-less, Wireless Electronic Skin That Senses and Transmits Signals ([link](#))

🕒 Picture of the week

- Double Band Pass filter ([link](#))

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!