

Mobile & Wireless Roundup #17 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 17th edition of this newsletter. Back in 2020, I made a 5G introduction course for [absolute beginners](#). This week it crossed [10k students](#). While I already dumbed it down significantly, the feedback was an eye opener on how I should have dumbed it down even further.

As I get older, I have been struggling to remember people and their names. On the one hand I think everyone I see looks familiar on the other hand I may have spoken to people on video calls but may not recognise them when I see them in person. Surely there is a name for this other than information overload. Anyway the reason I am bringing this up is because one of the killer use cases for AR glasses would be to whisper in your ear if you see someone familiar, their name and when/where you met them last. Surely it would be useful for others as well 😊.

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.

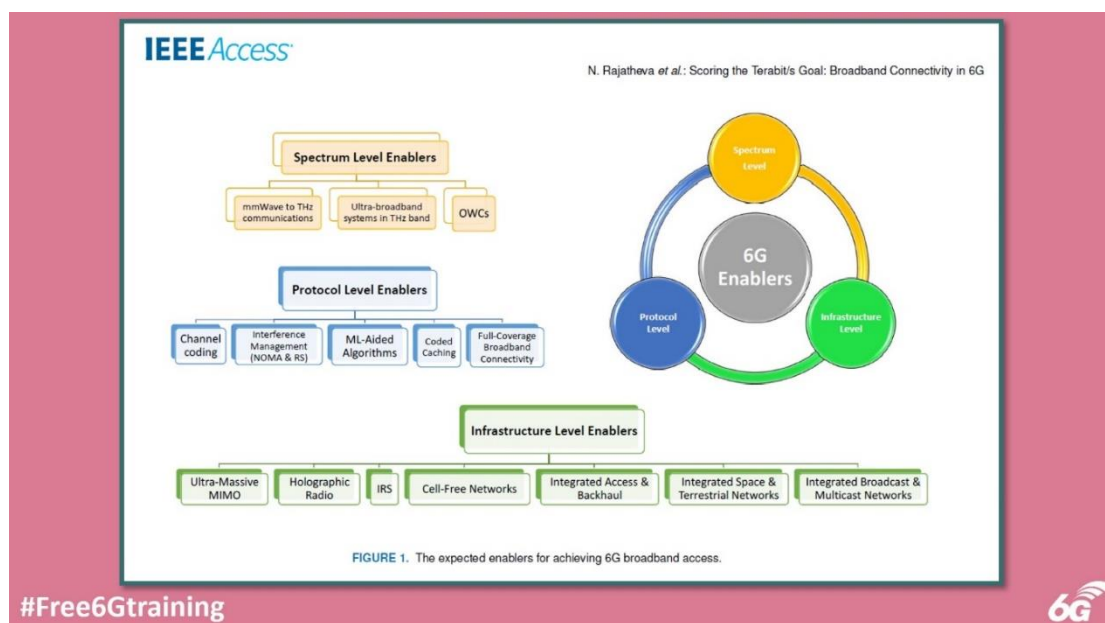
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- Free 6G Training - Scoring the Terabit/s Goal: Broadband Connectivity in 6G ([link](#))



- NTT Docomo: Achieving 1-Mbps/300-m underwater transmission and wireless remotely operated vehicle (ROV) using underwater acoustic communication ([link](#))

🕒 5G

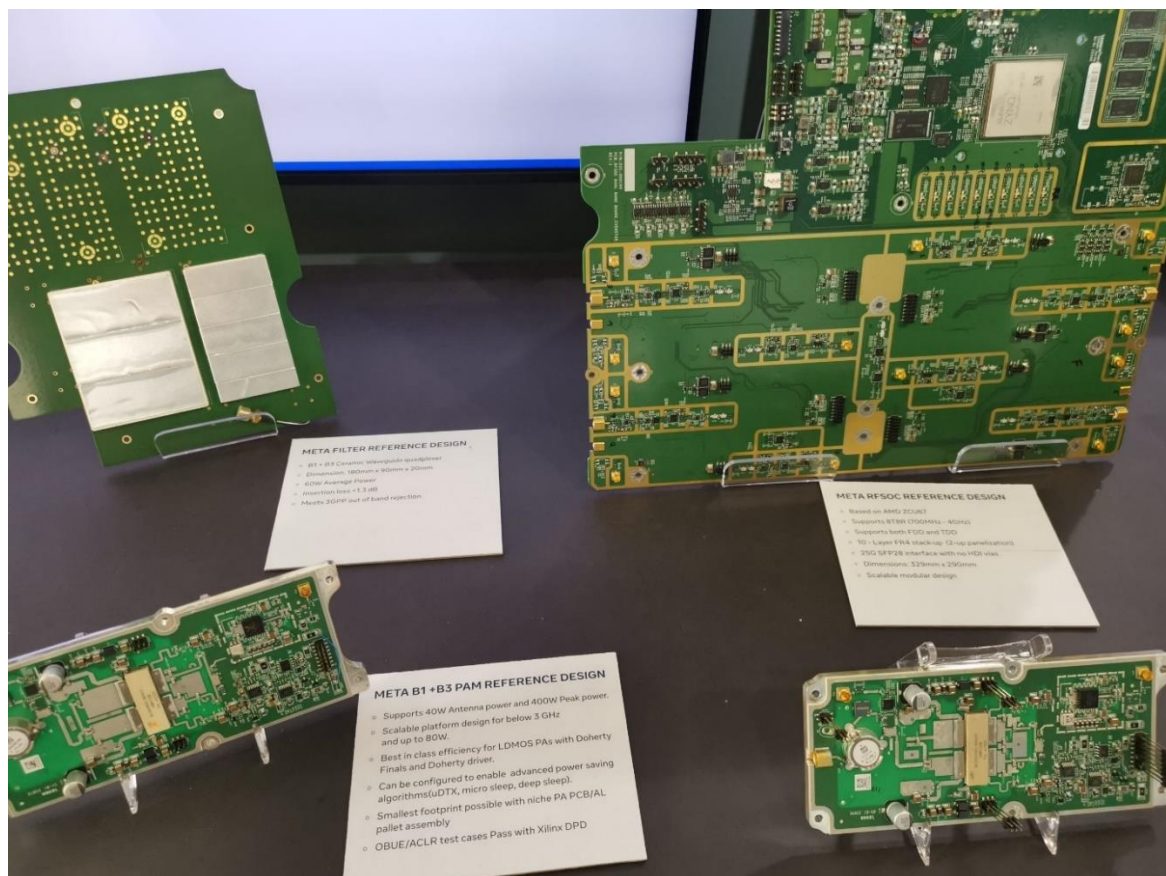
- 5G Non IP Data Delivery (NIDD) and Lightweight M2M (LwM2M) ([link](#))
- Short tutorial on 5G VoNR Establishment and Release between NG RAN and 5G Core ([link](#))
- 5G!Drones final trials and showcasing at the University of Oulu campus ([video](#))
- Operator Watch Blog: Is South Korea Losing its 5G Crown? ([link](#))
- Light Reading: 5G network slicing and high volume OTT traffic ([link](#))

🕒 4G/LTE

- Gayan Koralage on LinkedIn: What is the percentage of energy cost in manufacturing a GB in 5G vs 4G? ([link](#)) – look at the comments for a fantastic discussion

🕒 Open RAN

- NTT Technical Review: Initiatives toward Open RAN ([link](#)), Initiatives toward Virtualized RAN ([link](#)), Initiatives toward Intelligent RAN ([link](#))
- TeckNexus: Telecom Infra Project (TIP) introduces a blueprint for a cloud-native, scalable, and cost-effective private 5G network ([link](#))
- UK TIN - Perspectives on Diversification: Zahid Ghadialy ([link](#))
- MWL: Rakuten Symphony taps Juniper RIC ([link](#))
- Light Reading: Intel risks losing Arm wrestle as open RAN splits into rival camps ([link](#))
- TMN: Jabil brings Meta's Evenstar RU to the open market ([link](#))



🕒 Private Networks

- SDX Central: TIP Provides Private 5G Blueprint ([link](#))

🕒 IoT / M2M

- Light Reading: Sisvel launches patent pool for LTE-M and NB-IoT ([link](#))

🕒 Cloud & Edge

- New 5GAmericas whitepaper: Distributed Compute and Communication in 5G ([link](#))
- Light Reading: Edge computing refuses to mature ([link](#))

🕒 Security & Privacy

- NGMN Alliance just released '5G Mobile Network Sharing Security' whitepaper ([link](#))

🕒 Smartphones, Devices, Wearables & Gadgets

- UPI: LG develops stretchable display screen that could elongate an extra 20% ([link](#))
- MIT Technology Review: Smartphone data from drivers could help spot when bridges need urgent repairs ([link](#))

🕒 Satellite Connectivity

- Dean Bubley's Summary of "Connecting from the Skies" event ([link](#))

🕒 Metaverse

- Nikkei Asia: NTT Docomo to invest \$4bn in Web3 using mobile infrastructure ([link](#))
- NTT DOCOMO and Accenture Collaborate to Accelerate Adoption of Web3 Companies will address technology challenges and train talent to apply Web3 to solve social issues ([link](#))

🕒 Other News and Technology Stuff

- Marcus Weldon, Former CTO at Nokia and President of Bell Lab: Ending the never-ending spiral of telecom value migration ([link](#))
- Qualcomm: Counting 3GPP contributions — even the “approved” kind — does not measure 5G leadership and value ([link](#))
- Is Mastodon, the new Twitter? A thread says no and it's dangerous ([link](#))
- James Crawshaw on LinkedIn: “DISH Network is raising debt at a 12% interest rate to fund its mobile greenfield buildout in the US” ([link](#))
- NTT: Report of the World Telecommunication Development Conference 2022 (WTDC-22) ([link](#))

🕒 **Picture of the week:** Depending on whom you ask, this can be considered as an engineering marvel or an eyesore. This picture of Link5G by Laura Casey on [Twitter](#) shows how tall this mast is, which is 32 feet or 3 stories. An article just published in Brooklyn Paper refers to these as 'Monstrosities' ([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!

PDF version of this and previous newsletters are available [here](#).