

## Mobile & Wireless Roundup #14 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 14th edition of this newsletter. I am excited that in just over a week, I will be going to Madrid. I have been there just once when I was speaking about how satellite connectivity is backhauling mobile masts and bringing connectivity to rural and remote areas. Back then, I got a couple of evenings to go out and experience a bit of Madrid. This time I am [looking forward to](#) catching up with friends and colleagues, watch a lot of demos, hearing some fantastic talks on many of my favourite topics, participate in discussions and learning many new things at Fyuz 2022.



#Fyuz22 is a 3-in-1 event combining Open RAN Summit, TIP Summit and Metaverse Connectivity Summit. If you have yet to [register](#), please use SPEAKER20 for a 20% discount 😊

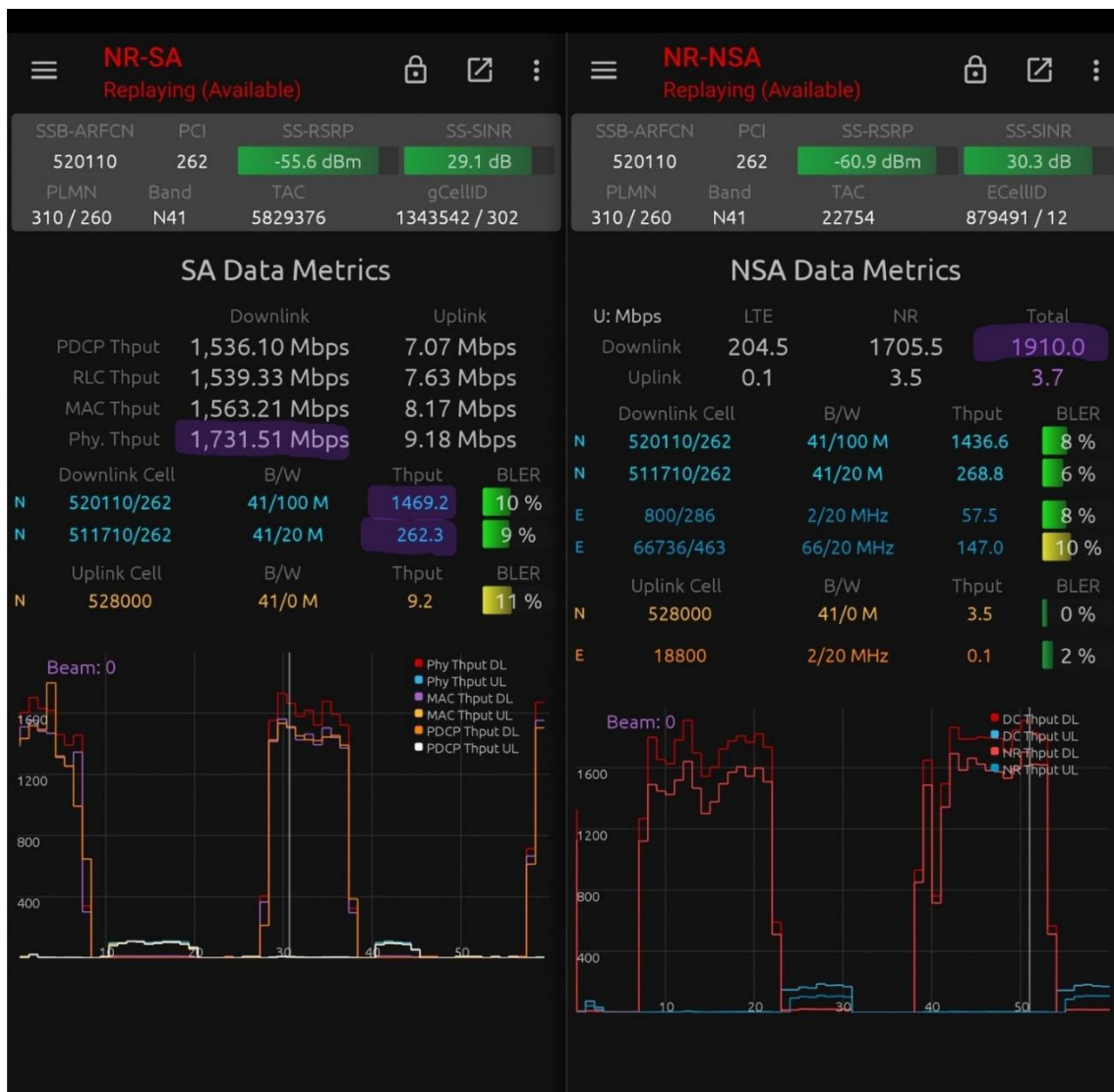
For those of you who don't know me, I am a technologist with over 23 years' experience in mobile wireless technology, currently working as an independent analyst, consultant and a trainer. This newsletter is a summary of my posts and others news that caught my attention since the last newsletter.

### 🕒 6G

- Free 6G Training: The role of sharing and innovative licencing models in meeting the needs of 6G ([link](#))
- ICYMI - ITU-R Working Party (WP) 5D Workshop on "IMT for 2030 and beyond" ([link](#))
- Samsung Electronics Announces a New 6G Research Group in the UK ([link](#))
- MWL: NTT Docomo tips 6G to fuel Sci-Fi style applications ([link](#))

## 🕒 5G

- 3GPP Release-18 Timeline & Content poster from 3GPP is available ([link](#))
- Devopedia has some good introductory and advanced tutorials on 5G ([link](#))
- Presentations from Future Spectrum Demand for Rail Communications ([link](#))
- Operator Watch Blog: Belarus 'Ready' to Deploy 5G Technology ([link](#))
- EURACTIV debate video: The future of 5G Connectivity in the EU - Next steps ([link](#))
- GSMA's The Mobile Economy Europe 2022 report is available [here](#). Launch [video](#).
- Reuters: India to press Apple, Samsung for faster 5G software upgrades in phones ([link](#))
- Indian MNO Reliance Jio is promoting its 5G Standalone Network as 'Jio True 5G'. Here is their latest advert on cleaning Ganges/Ganga river ([link](#))
- Geoff Hollingworth, Not a normal CMO of Rakuten Symphony asks on LinkedIn: "*It's amazing what people say #5g could do and what 5G has actually done. As a #telecom industry, should we reflect on that? Why don't we? Why don't we ask why a gap exists for real?*". Good comments on the post if anyone is interested in the discussion ([link](#))
- CommsUpdate: Bharti Airtel network in India is 'SA-ready' for enterprises ([link](#))
- Tweet by Milan Milanović: "*Midband Standalone 5G w/Aggregation now seems to be more widespread throughout the NYC market, peaking at ~1.7Gbps w/120MHz of spectrum. Non-Standalone 5G adds LTE layer contribution, delivering speeds just under 2Gbps (could be the circuit provisioning?) @TMobile 🍷*" ([Tweet](#) with pic)



### ☉ 4G/LTE

- MWL: Orange, Bouygues among French 4G emergency network winners ([link](#))

### ☉ 2G/3G

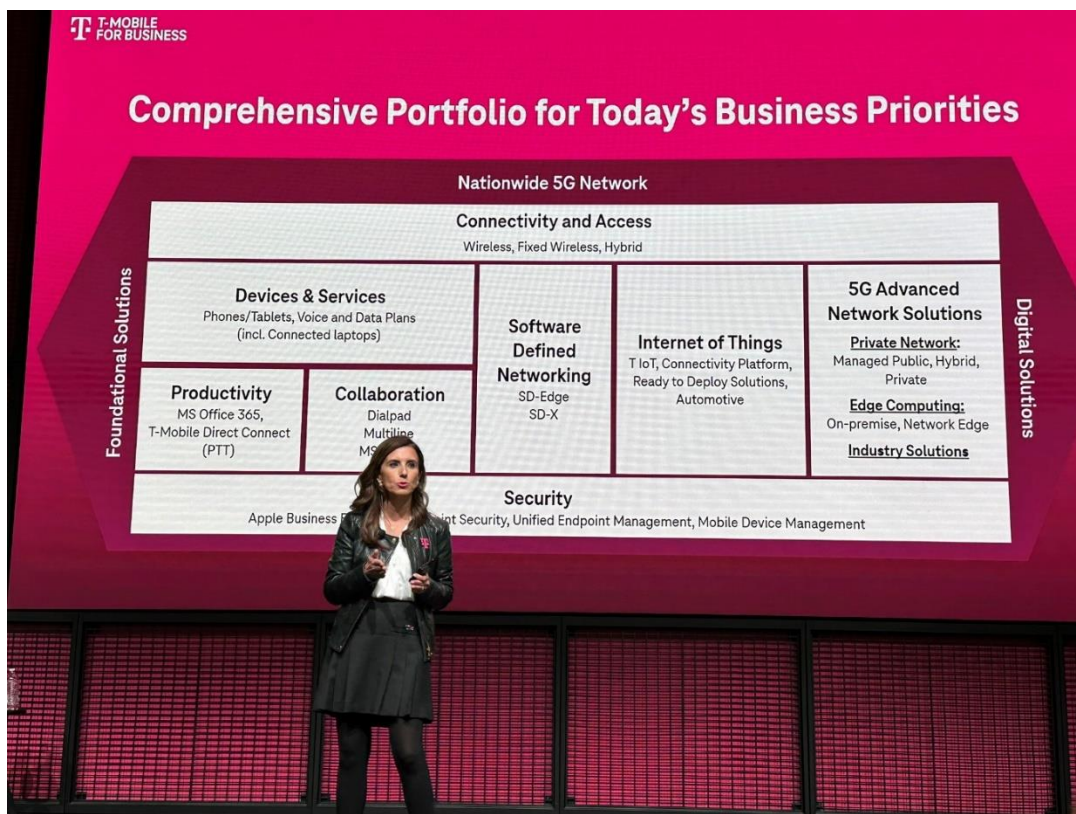
- Tweet by 2g-gsm: “Waveguide was used extensively on early microwave radio links. Some radios were all-indoor so mandated waveguide while others were split mount but RFU was ground mounted for ease of maintenance access. Waveguides were pressurised to keep water out.” ([Tweet](#) with pic)
- Tweet by 2g-gsm: “Fake tree deployed for a one2one cell site, photo from May '99. There was a wide range of 'discrete' site designs used to help with planning application approvals. The tree design came in several variants & proved challenging to upgrade with new kit #2G #GSM #historyoftechnology” ([Tweet](#) with pic)

### ☉ Open RAN

- Light Reading: How the US military is becoming open RAN's greatest American ally ([link](#))
- French think tank Ifri has published a paper saying that Open RAN “risks increasing European dependence on foreign suppliers” ([link](#))

## 🕒 Private Networks

- Enterprise IoT Insights: French regulator Arcep awards 13 private 5G licences in 3.8-4.0 GHz band ([link](#))
- Stacey on IoT: How John Deere built its own cellular network for its factory ([link](#))
- TeckNexus: 10 Private 5G Network deployments launched recently ([link](#))
- MWL: KT develops private 5G network testbed ([link](#))
- Siemens Next-Gen Networks: Industrial automation benefits from Wi-Fi 6 and, soon, Industrial 5G ([link](#))
- T-Mobile (USA) For Business (TFB) Analyst Summit 2022 covered whole lot of topics including 5G FWA, IoT & Private Networks. Twitter thread by Analyst Anshel Sag ([Day 1](#), [Day 2](#))



## 🕒 IoT / M2M

- Light Reading: NR-Light for 5G-native wide-area IoT ([link](#))
- IoT for all: Considerations & Best Courses for a Career in IoT Development ([link](#))

## 🕒 Cloud & Edge

- This webinar from Intel Corporation explains different Types of Edge Computing, "Part 2 - ETSI MEC Deployment Models" ([link](#))
- Telecom TV: Gaia-X hits the trough of disillusionment ([link](#))

## 🕒 Connected And Autonomous Vehicles (CAVs)

- New York Times: Hello, Fellow Car. We've Got a Problem. Let's Talk. ([link](#))
- Vodafone SMARTiAGO: Making autonomous vehicles a reality ([link](#))
- Emerging TechBrew: Intel's autonomous vehicle unit Mobileye ends NYC testing ([link](#))

- FastCompany: Starbucks wants to become the gas station of the future for EVs ([link](#))
- Counterpoint Research: European EV Market Grew 16% in Q2 2022 led by Mercedes ([link](#))

### 🕒 Smartphones, Devices, Wearables & Gadgets

- The 3G4G Blog: The Role of Connectivity and Devices in Healthcare ([link](#))
- Basic Apple Guy Blog: Lesser-known Apple Watch workouts ([link](#))
- The Guardian: iPhones calling 911 from owners' pockets on rollercoasters. New iPhones which can detect car crashes and notify emergency services appear confused by thrill rides ([link](#))
- Tweet by Ryan Shea: *"Boston Dynamics is pledging that their designs won't be used for war. Meanwhile, China is perfectly copying their designs and... using them for war."* ([Tweet](#) with video)

### 🕒 Satellite Connectivity

- Space.com: SpaceX competitor Lynk testing 5G cell phone service from space ([link](#))
- MWL: KDDI prepares Starlink launch ([link](#))

### 🕒 Wi-Fi

- 6 GHz Wi-Fi: Connecting to the future - New paper from Wi-Fi Alliance explores how opening the 6 GHz band to Wi-Fi enables a range of new technologies and use cases ([link](#))
- Enterprise IT World: Dynamic Spectrum Alliance (DSA) expresses concern over Chile's SUBTEL's decision to reduce spectrum for Wi-Fi ([link](#))
- Telecom Infra Project Hits New Milestone as Boingo Wireless Becomes First Network Operator to Adopt Commercial Use of Open-Source Software for Wi-Fi 6E ([link](#))
- Fierce Wireless - Boingo CTO: OpenWiFi deployments are saving time and money ([link](#))

### 🕒 Metaverse

- WAM: e&, formerly known as Etisalat Group, takes its first step into the metaverse ([link](#))
- MWL: SKT, e& make Middle East metaverse play ([link](#))
- TelecomTV: NTT Docomo commits to a metaverse future ([link](#)) – This is an unofficial video ([link](#))
- Coindesk: It's Lonely in the Metaverse: DappRadar Data Suggests Decentraland Has 38 'Daily Active' Users in \$1.3B Ecosystem ([link](#))
- The Verge: Meta figured out legs for its avatars ([link](#))
- RoadToVR: Sony Plans to Produce 2 Million PSVR 2 Headsets by March 2023 ([link](#))
- ICYMI – Our 3 min video explaining the difference between AR, VR, MR & XR ([link](#))

### 🕒 Other News and Technology Stuff

- Connectivity Technology Blog: Microwave Backhaul Connects American Samoa ([link](#))
- BBC News - Maharashtra: India village goes offline daily to help people talk ([link](#))
- Tirias Research: The True Nature Of Moore's Law – Driving Innovation For The Next 50 Years ([link](#))
- Android Authority old article: It's 2021 and USB-C is still a mess ([link](#))
- BEREC preliminary assessment of the underlying assumptions of payments from large CAPs to ISPs ([link](#)) – summary Tweet by Dean Bubley [here](#).
- The Verge: How cell carriers prepared for and responded to Hurricane Ian ([link](#))

- Washington Post: Struggling Rakuten Might Need to Phone a Friend ([link](#)) – LI discussion ([link](#))
- If you want to learn more about US chip export controls to China, then this is a [transcript of a great discussion](#). And here it is also as a very [useful tweet thread](#). – HT Inside [TMN](#) Newsletter.
- Long Blog post by Dr. Kim Larsen: The Nature of Telecom Capex ([link](#))

📍 **Picture of the week:** “What does it take to provide capacity for one of the biggest festivals in NL? 17 sectors with 70MHz of spectrum.” ([Tweet](#))



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](#).