



Parallel Wireless in the News



[Parallel Wireless Announces Availability of vC-RAN Reference Architectures](#)

Parallel Wireless released a 3GPP-compliant reference design addressing 3G, 4G/LTE, and Wi-Fi. It's integrating these wireless technologies with one another and with real-time orchestration.



[Small Cells Americas: Virtualization in the Spotlight](#)

Parallel Wireless reference designs are a welcome demonstration of some of the promises of vRAN, though the distributed nature of the solution represents a departure from the notion of vRAN as a centralization of network functions and underscores vRAN's relevance to small cells in particular.



[Texas Events Highlight Public Safety LTE Research, Real-World Scenarios](#)

A Parallel Wireless vehicular repeater was on the Coast Guard boat that rescued the stranded vessel. It was the first time that a gateway between a FEMA network and civilian first responder network was used. The Mutualink interoperability platform helped connect the networks through a FEMA kit with back-to-back Mutualink servers.



[Small Cells Americas 2015 Event Report](#)

Parallel Wireless announced a timing and sync solution that far exceeds the frequency and phase tolerances required for LTE-A. Their rural small cells now support both 3G and 4G.



[NORTH AMERICAN LTE INNOVATIONS
CELEBRATED AS LTE AWARDS
SHORTLIST ANNOUNCED](#)

Parallel Wireless’ public safety band 14 network nominated for Most Innovative LTE Application/Service. In addition to demonstrating interoperability, this trial network will also address the requirements of FirstNet to provide voice and data coverage from rural, to in-buildings, to in-vehicles.



[APCO 2015 - FirstNet leadership changes,
Parallel Wireless and reinventing Motorola](#)

Public safety mobile broadband was a big part of the APCO 2015 conference. Leadership changes at FirstNet set the stage for the agency’s next chapter of a national network deployment. But ... Parallel Wireless showed what is possible today.



[Intel Taps FreedomPop \[and Parallel Wireless\],
Verizon in Wireless Push](#)

Intel is developing software-based network technologies with startup Parallel Wireless. At the Mobile World Congress in March, Intel showcased next-generation Wi-Fi and other technologies.



[Deploy HetNets as Fast and Cheap as Wi-Fi](#)

Parallel Wireless, Inc. has unveiled commercially ready 3GPP-compliant end-to-end virtualized RAN reference designs based on collaboration with Intel. The innovative designs integrate 3G, 4G/LTE, Wi-Fi, real-time network orchestration and resource optimization so that mobile operators can cost-effectively deploy multi-technology HetNets.



[FirstNews Briefs: TDS, Qualcomm, Samsung,
Parallel Wireless](#)

Parallel Wireless, Inc., a cellular network deployment company, has announced High-Precision Carrier Synchronization Technology (HPCST). HPCST delivers more accurate synchronization (50+ times less

time and frequency error) in virtualized HetNets and helps mobile operators with better spectrum utilization. This improves the overall quality of subscriber experience indoors and outdoors and paves the way to faster and denser 5G networks.



[Parallel Wireless Reimagines Wireless Synchronization](#)

Breakthrough Technology with Superior Time and Frequency Synchronization Accuracy Allows Mobile Operators to Deploy Indoor and Outdoor Cellular as Easy and as Cost-effective as Wi-Fi.



[Radio revolution in the air with Parallel-Intel and Artemis-Nokia tie-ups](#)

Parallel Wireless has announced that its base stations are now commercially available as reference designs on an Intel System-on-Chip (SoC). The release aligns the radio element of Parallel Wireless' system with its gateway controller node, which runs Virtualised Network Functions (VNFs) on Intel-based servers.



[Parallel Wireless announces an Intel-based vRAN reference design](#)

Parallel Wireless, which aims to make cellular network deployments as easy and as cost-effective as enterprise Wi-Fi, today announced commercially-ready 3GPP-compliant end-to-end virtualised radio area network (vRAN) reference designs that use Intel technology.



[Parallel Wireless brings vRAN on Intel technology](#)

Parallel Wireless announced the launch of virtualized RAN (vRAN) reference designs – on Intel technology – that can integrate 3G, 4G, and Wi-Fi with real-time network orchestration and ensure resource optimization.

[Parallel Wireless partners with Intel for RAN base](#)

Software-based cellular network deployment company Parallel Wireless announced that it's partnering with Intel to release end-to-end virtualized RAN reference designs. The technology is 3GPP-compliant and available for commercial deployment.



[Parallel Wireless Launches HetNet Gateway](#)

Parallel Wireless is continuing its mission to make mobile network deployments easy with the launch of its new HetNet Gateway (HNG). HNG will function as a complete manager of wireless networks. It can handle 3G and 4G mobile as well as Wi-Fi, and tries to make management simple by organizing all wireless spectrum and radio area networks (RANs) into a single, configurable package.



[HetNet Gateway – The Fourth Dimension for Wireless Capacity Growth](#)

There are commonly thought to be three different ways to densify wireless traffic capacity. Perhaps now there is a fourth, which involves orchestrating much better use of the complex variety of spectrum bands, modes and layers. SON vendors would lay first claim to this aspect and promise substantial improvements. Several small cell solution vendors offer gateways and controllers to co-ordinate and manage each radio access technology. The new term of HetNet gateway effectively combines both cellular and Wi-Fi into one box, bridging and consolidating the best of both.



[Cloud-RAN becomes real, but not in China Mobile's blueprint](#)

While comprehensive Cloud-RAN deployments like the one envisaged by China Mobile are on a very distant horizon for most operators, there are increasing moves to use virtualization in at least some areas of the RAN, in order to increase efficiency and enable truly heterogeneous networks (HetNets).



[Parallel Wireless' provides edge platform for vRAN and optimisation](#)

RAN innovator Parallel Wireless offers a new way to build radio access networks, with meshed small cells operating under a controller node that also handles backhaul, has introduced an updated controller node that it is calling the HetNet Gateway (HNG).



[New IP Spirit Saturates Startups](#)

Business transformation programs can be helped by network flexibility — that's what Parallel Wireless Inc. is pitching. "Our business is making deploying cellular as easy as WiFi," founder Steve Papa told Light Reading Wednesday.



[Global: Parallel Wireless Reimagines Mobile Content Delivery with PeerApp and Saguna](#)

Parallel Wireless, Inc., a pioneer in making cellular network deployments and maintenance has partnered with PeerApp and Saguna Networks to enhance PeerApp's Mobile Edge Computing (MEC) solution. Parallel Wireless will use its software-defined, multi-mode, multi-band Converged Wireless System (CWS) base station and HetNet Gateway (HNG) orchestrator to enhance the backhaul capacity of MEC solution architecture.



[CTIA Super Mobility Week: Day Zero – 5G Comes to America](#)

While much less flashy than the next iPhone, a number of announcements from the day before CTIA's annual trade show kicked off spoke to its continuing value as an innovation and technology showcase: Aviat's new all-outdoor router; Commscope's acquisition of Airvana; and Parallel Wireless' mobile edge computing work with Saguna and PeerApp.

[FirstNews Briefs: CommScope, PlumChoice, Parallel Wireless, Genband, BLU](#)

Parallel Wireless, Inc., facilitator of cellular network deployments and maintenance, has announced a partnership to enhance the Mobile Edge Computing (MEC) solution provided by PeerApp, a Mobile-Edge based content delivery acceleration and optimization, helping wireless carriers speed the benefits of Mobile Edge Computing and Saguna Networks, a mobile edge computing pioneer.



[Mobile Backhaul Takes a Page from Cloud Computing](#)

The same logic that resulted in the creation of cloud-based data centers can be applied to cellular backhaul networks, according to the startup Parallel Wireless. “Imagine you have three nodes talking to each other over wireless backhaul. If you pool resources, and if one [node] goes down, you can still leverage the other two,” Parallel Chief Technology Officer Rajesh Mishra says.

[Parallel Wireless trials 'self-configuring' public safety network in New Hampshire](#)

Parallel Wireless is testing its equipment for public safety interoperability in New Hampshire. The equipment is being used by first responders in the New Hampshire towns of Milford, Wilton and Mount Vernon. With equipment makers and carriers increasingly looking toward the planned development of the FirstNet public safety network, Parallel Wireless is hoping that its solution will gain increasing scrutiny.



[An Exclusive Interview with small cell maker Parallel Wireless' Co-Founder Rajesh Mishra](#)

Recently [[TelecomTalk](#)] wrote about how signal boosters and small cells could eliminate telecom connectivity issues in India. The small cells deployed by British Carrier EE mentioned in the article were made by Parallel Wireless. Today we bring to you an

exclusive interview with Rajesh Mishra, the co-founder of Parallel Wireless.



[Parallel Wireless – LTE networks – wireless startups – Fierce 15 2015](#)

What if deploying a cellular network was as easy as deploying a Wi-Fi network? And at a fifth of the cost of traditional cellular buildouts? That’s exactly the goal of Parallel Wireless.



[Leading Lights Finalists 2015: Most Innovative SDN Product Strategy \(Vendor\)](#)

Parallel Wireless LTE Access Controller uses SDN to solve scalability issues faced by network deployments and is nominated alongside several reputable industry leaders for Leading Lights “Most Innovative SDN Product Strategy”.



[FirstNet should leave ‘public-safety entity’ definition to governor of each state/territory](#)

Parallel Wireless discusses challenges that FirstNet faces in defining who qualifies as a “public safety” entity at the federal and state levels.



[Will cell towers soon become obsolete?](#)

Speaking to CNBC at the Founders Forum Smart Nation Singapore conference, Steve Papa, founder of Parallel Wireless, discusses how next-generation wireless technology could become a reality.



[Exercise Tests U.S./Canada Cross-Border Communications Capabilities](#)

Parallel Wireless enabled CAUSE III interoperability testing between U.S. DHS, Defence Research and Development Canada (DRDC), and Centre for Security Science (CSS) in rural Montana.



[Rural Telcos Face New IP Challenges](#)

Rural telcos might be more cost challenged because of their limited funds, size, skill sets and legacy infrastructure when it comes to delivering VoIP, video and data services to their customers.



[South Shropshire MP Meets EE Over Poor Rural Mobile Signal](#)

Remote communities across the UK urge EE to bring new micro technology to resolve poor coverage across the country.



[UK operators step up rural data initiatives](#)

EE is stepping up its roll-out of rural vRANs, so that large numbers of sites can be managed flexibly from a central server, and the cost and complexity of the cell site equipment can be dramatically reduced.



[LTE Small Cell networks could support multiple Public Safety organizations](#)

MOCN on LTE Access Controller enables emergency services organizations to have their own core network services and full access control.



[EE rolling out mesh LTE network in rural areas](#)

Single base station node connects to the backhaul (the bit that talks to the rest of the EE network) that sends out a signal like any other cell tower, only with the mesh when the signal reaches one of the repeater nodes it of course repeats it. Effectively doubling the range.



[Wireless + Non-Serial Entrepreneurs = Parallel Wireless](#)

Parallel Wireless is combining several elements such as HetNet, backhaul, LTE, SON and some Software Defined Networking (SDN) concepts into a product.



[Micro networks may offer a way to get 4G out of Africa's cities and into towns and villages](#)

Mobile technology is changing as it comes to terms with the IP world and everything becomes data. Russell Southwood spoke to Parallel Wireless founders Rajesh Mishra and Steve Papa about their rural deployment to see if it offers a cost-effective solution.



[Parallel Wireless' Steve Kropper talks Cause III, Public Safety LTE that may cost 80% less than traditional model](#)

Steve Kropper of Parallel Wireless explains how the company's flexible Public Safety LTE solution (LMLTE) can meet first-responder requirements while providing substantial cost savings to FirstNet.



[EE takes step into Parallel world with integrated small cell-backhaul rural deployment](#)

Parallel all-in solution pushes a few topical buttons – NFV in the RAN and SDN for backhaul.



[Has EE Solved the Rural Connectivity Challenge](#)

EE has devised a solution that will improve voice and broadband service in remote villages without breaking the bank.



[EE's not-spot-busting small cell trial delights Cumbrian villagers](#)

The Telegraph

One of the many visions for the 5G future is HetNets. EE is now rolling out HetNets.

[EE 'micro network' to connect 1500 rural black spots](#)

This world-first technology will demonstrate significant advancements to bring coverage to more of the UK.



[EE WILL Bring 4G To UK's Countryside By 2017](#)

The self-organizing equipment is so small that it can be installed on the side of building and does not require planning permission.



[EE trials rural micro network](#)

Being connected to good, reliable mobile coverage can make a significant difference to everyday life.

Wireless WEEK

[FirstNews Briefs: Parallel wireless, EE, ZTE, Resolve Systems](#)

Parallel Wireless solution chosen for EE rural deployment in UK.



[Rural Small Cells Begin to See Deployment](#)

By using mesh capability, EE was able to bring service to a rural valley to which it would have been cost-prohibitive to bring fiber.

techradar.

[EE's micro-network brings connectivity to rural communities](#)

EE has pledged to bring voice, 3G and 4G services to over 1500 rural communities in the next three years with its new micro-network technology.

GIGAOM

[UK Carrier EE uses small cells to deploy rural LTE network](#)

The lack of a need for large masts and underground cables “changes the economics of mobile coverage.



[EE pledges to cover 1,500 rural UK communities with micro network by 2017](#)

Micro network “will demonstrate significant advancements” towards the government’s “long-term ambition to bring voice coverage to more of the UK”.



[EE starts new trial with Mesh technology for rural broadband](#)

The use of meshing means that rather than a traditional large mast with fibre backhaul, smaller units are deployed on buildings, with power taken from the properties’ supply.



[EE makes “world-first” claim in rural coverage battle](#)

The operator will be hoping the solution provides a way forward in the politically-charged debate over rural coverage.



[EE shuns national roaming plans with rural micro network launch](#)

EE’d much rather invest in this micro network technology which will benefit many more people than national roaming.



[EE plans micro-network for UK mobile not-spots](#)

The added benefit of the micro-network is that it also extends the reach of mobile data.



[EE reveals micro-network plan to fix 1,500 rural mobile black spots](#)

The micro-networks are currently being installed and should be fully deployed by early next year.



[EE to roll out micro networks in rural communities from early 2015](#)

EE will construct new micro networks that wirelessly connect small mobile antennas to a suitable nearby macro site, without the need for cabling.



[EE goes big on micro tech to connect rural areas](#)

The solution is more efficient than rival products because it doesn't require a fixed broadband connection to dial into the wider network.



[EE to deploy small cell networks to connect rural locations in the UK](#)

This new technology enables voice and data coverage for small communities, at a lower cost of deployment.



[Parallel Wireless Extends Rural 4G Cellular Coverage](#)

Parallel Wireless's LAC and CWS work together to reimagine LTE RAN architectures that make possible the deployment of a fully-functioning LTE and 3G network in hours.



[Rajesh Mishra, co-founder Parallel Wireless, imagines a different future for HetNet RANs](#)

Parallel Wireless believes that technology disruption from low cost silicon, COTS hardware and smarter software will drive the industry towards a different RAN architecture.



[TC3: Parallel Wireless Virtualizes LTE Control, Access, and Core](#)

Co-founder and chairman, Steve Papa, in what he called the first public discussion of our work in virtualizing LTE access and core networks (video below).