

October 16, 2018



# NewEdge Signal Solutions Announces High-Power Multi-band LTE Platform for OpenCellular

## New Platform will Enhance Outdoor LTE Coverage for Rural/Undeveloped Markets at the Core of OpenCellular

LONDON, Oct. 16, 2018 /PRNewswire/ --**TIP Summit** - [NewEdge Signal Solutions](#), a high-tech RF solutions company serving the wireless infrastructure and defense markets, today announced the development of a new high-power multi-band LTE platform based on TIP's OpenCellular project. The new platform will enhance outdoor LTE coverage for rural communities.

As part of the [Telecom Infra Project](#) (TIP), OpenCellular is an open source wireless access platform designed to improve connectivity in rural communities. OpenCellular technologies can be deployed to support a range of communication options, from a network in a box to an access point supporting a range of mobile standards from 2G to LTE. Facebook open-sourced the OpenCellular files including schematic, layout, CAD files and software as part of the project group to help accelerate the creation of a new, more interoperable ecosystem.

The new high-power multi-band LTE platform from NewEdge™ is an RF front end module supporting 2 x 5 watt LTE in the 3GPP bands 20 and 28. It contains a carrier board with two envelope tracking power amplifier (ETPA) modules.

"NewEdge is excited to bring our unique RF front end technology to the OpenCellular project," said Chris Rauh, vice president of Business Development & Strategy at NewEdge Signal Solutions. "The combination of high efficiency and RF agility is exactly what network operators require in networks that must run only on solar power, yet still need to provide 4G coverage and throughput."

NewEdge Signal Solutions combines extensive knowledge and a wealth of intellectual property in the areas of filters, linearization technology and RF amplifier design to create digitally tunable filters and software-controlled RF front end modules that combine high-efficiency operation with multi-frequency and multi-mode capability. This solves technical problems resulting from the explosion of frequency bands, waveforms and mobile standards, from 2G to 5G. The company features a size- and energy-efficient product portfolio that can handle a wide range of frequencies and waveforms.

"The TIP Community values NewEdge's commitment to the TIP OpenCellular LTE program," said Kashif Ali, Facebook, and Chair of TIP's OpenCellular Project Group. "Their willingness to contribute both technology and expertise to the program is helping to build momentum for outdoor LTE coverage in rural communities and to connect people throughout the world."

The complete high-power multi-band LTE platform will be available in Q1 next year and will be available through the channels established by the OpenCellular Project Group.

### **About NewEdge Signal Solutions**

[NewEdge](#)™ is a high-tech RF solutions company. Serving both the wireless infrastructure and defense markets, NewEdge solves technical problems resulting from the explosion of frequency bands, waveforms and mobile standards, from 2G to 5G. NewEdge technology enables the virtualization of the Wireless RAN (Radio Access Network) with a highly-flexible RF front end. Also serving the defense industry, NewEdge technology supports mission-critical communications in highly contested RF environments.

The NewEdge product offering breaks down the traditionally-defined technology silos and addresses both the hardware and firmware aspects of the problem.

The company was founded in 2011 and is headquartered near Boston, MA. For more information, please visit [www.newedges2.com](http://www.newedges2.com). Inquiries can be sent to [info@newedges2.com](mailto:info@newedges2.com).

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