

# RFS ready to support North America's intensive rollout plans for LTE technology

Submitted by: Turtle Consulting Group

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RFS (Radio Frequency Systems), the wireless infrastructure specialist, announces that its global multi-site manufacturing resources - along with 24x7 tier one support teams and rapid response distribution services - are ready to be mobilized as North America's carriers prepare for the high speed rollout of their trial and commercial LTE – Long Term Evolution – wireless services.

"We've been working closely with our carrier customers on developing the products, manufacturing resources and distribution logistics required for LTE technology to be slotted in at the cell tower top and all the way along the RF communications chain," said Larry Heisler, RFS' director of marketing and product management.

"Now that the ambitious plans of carriers to roll out the first commercial LTE deployments in North America in 2010 have been revealed, we can state with 100 percent confidence that we are fully prepared to support all of our carrier customers - both large and small - in their plans to roll out what is certain to be a highly attractive customer proposition in the wireless space," he added.

According to Heisler, RFS is in pole position when it comes to having a proven track record in working reliably with its carrier clients on rapid network infrastructure rollouts and cell tower enhancements that have become the norm as networks have moved along the evolutionary trail from 2G to 3G technology, embracing 2.5 and 2.75G services along the way.

LTE, he explained, is going to undergo a much faster rollout in North America than was the case with 3G, driven - as it will be - by carrier and customer requirements.

Carriers, he says, will be looking for a rapid return on investment on their LTE licenses, while customers - especially in the business segment of the market – will be looking to LTE to help them mobilize the many applications they frequently use when tethered to high bandwidth wired networks.

RFS' LTE technology, he went on to say, has undergone extensive trials in the global marketplace, driven by carriers pushing hard for real-world solutions to some of the technical problems that LTE has presented their engineers.

It is important to realize, he said, that LTE is the only wireless technology that can support unpaired Time Division Duplex (TDD) and paired Frequency Division Duplex (FDD) transmissions on the same base station.

Developing the base station and allied infrastructure to support both TDD and FDD at the same time, says Heisler - and to do so on a mass rollout basis on a relatively short time scale - is going to push the technology envelope very hard indeed in the next 12 months, he added. RFS is one of a few suppliers of end-to-end RF systems (antennas, feeders, TMAs, diplexers, triplexers, combiners, filters etc) than can help carriers in this task.

The rewards for being first to market with a high capacity LTE network in North America will be immense, says Heisler.

“LTE will enable the industry to meet business customer demands for a high bandwidth and low latency service that will work across North America,” he explained.

Carrier support is the key

It's against this technology backdrop that RFS is one of the few RF system suppliers that will be able to meet the phenomenal time and delivery constraints that North American carriers face with their LTE deployments.

The carriers, says Heisler, will be asked to meet a tidal wave of demand from business users and consumers who will be looking to achieve the same low-latency and high bandwidth service on a mobile basis as they enjoy at their desks and at home.

Achieving this level of coverage – and on a high capacity basis - in all scenarios, metro, urban and rural, will require base station upgrades and cell site enhancements on a scale never before seen in the wireless industry.

And RFS has the technology, system design, manufacturing and logistics required to support carriers in this difficult task. Alongside its impressive multi-site manufacturing and distribution logistics network, the company has pioneered the development of a breakthrough wideband diplexer technology that supports multi-band and multi-frequency transmissions which avoid the need for additional space at the cell tower top and on feeder runs.

For end-users, says Heisler, this means easy access to improved reception, both indoors and out, as a direct result of the rapid migration of the industry to LTE.

“Wireless technology has come a long way in the last two and half decades, and is set to make even more progress as the industry moves towards LTE technology,” he said. RFS, says Heisler, is ready and able to support carriers in their planning and preparation for what is certain to be a highly intensive period of network infrastructure installations and enhancements.

Meet with RFS at the International CTIA Wireless 2009 (Central Hall, Booth 4836).

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Notes to Editors:

RFS Company background

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

For more information visit: <http://www.rfsworld.com/>

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