Vivato's Answer to Carriers Questions

As mobile operators worldwide plan and deploy LTE networks to support the relentless growth in mobile data demand, a new class of small cell base station, known as outdoor metropolitan picocell, is gaining traction and was the buzz at the 2011 CTIA and WISPA conferences. According to industry research firms, In-Stat, the metropolitan picocell market is forecast to top $5 Billion in 2014. In that same year, more than two billion Wi-Fi chipsets will ship, according to IHS iSuppli, reflecting Wi-Fi's continued popularity in smart phones and tablets, the devices driving mobile data and video consumption.

Against this backdrop of increasing mobile data demand, LTE small cell adoption and Wi-Fi enabled device growth, Vivato Technologies will re-launch and introduce WiFi's answer to the LTE picocell. The VT2210 is a NEMA4 hardened outdoor 2.4GHz base station that can be commissioned within minutes and most importantly mimics the deployment and performance characteristics of LTE.

Vivato's integrated panel distinguishes itself through a 10X+ improvement in distance, throughput, range and noise floor abatement. Our patented Packet SteeringTM platform and phased antenna array are the result of a rich $100M patented portfolio effort that addresses the installation and operational management challenges which have impeded widespread Wi-Fi implementation to date. At an average 1:30 access point reduction ratio, Vivato deployments greatly reduces the need for multiple node sites, instead, allowing carriers to utilize existing tower infrastructures for Wi-Fi. A single Vivato deployment of 4 panels will cover 7 square miles.

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- Patented Packet Steering and phased array beam steering antennas working in conjunction and to deliver improved throughput up to 3 miles.
- Backhaul flexibility –(5.8GHz, 3.65GHz and now 23GHz and Blackbox for fiber to Ethernet conversion)
- Unlicensed phased array access radios –Utilizing our patented Beamforming and Packet Steering technologies
- Multiple mounting options – pole and wall-mount pedestal, cabinet or fiber coax infrastructure (Vivato's DOCSIS solution)
- Powering via AC, DC -48V POE
- NEMA 4 enclosures and power supplies for any and all environmental conditions